Cable Components

Fair-Rite Products Corp.

PO Box J, One Commercial Row, Wallkill, NY 12589-0288

Phone: **(888) FAIR RITE / (845) 895-2055** • FAX: (888) FERRITE / (845) 895-2629 • www.fair-rite.com
(888) 324-7748 (888) 337 -7483 • E-Mail: ferrites@fair-rite.com

Engineering Kits

Expanded Cable & Suppressor Kit
Part Number 0199000005
This is our most popular engineering kit. As the name implies, this kit contains a broad sampling of suppression cores to reduce conducted EMI over wires and cables.

Chip Bead Kit
Part Number 0199000018
The chip bead kit has a number of different EIA size chip components with a range of impedance values and signal speeds. Also one of our chip arrays is included in this kit. Parts are RoHS compliant.

Shield Bead Kit
Part Number 0199000019
The shield bead kit has 28 different beads in three suppression materials, 73, 43, and 61.

Antenna/RFID Kit
Part Number 0199000024
The kit contains a range of rods in three low losses, high Q, materials, 78, 61 and 67, to cover frequencies from 10 kHz to 50 MHz.

Surface Mount Bead Kit
Part Number 0199000025
An assortment of surface mount beads for differential and common-mode applications in 73 material for < 50 MHz, 43/44 material for 25-300 MHz and 52/61 material for 250-1000 MHz frequencies. Parts are RoHS compliant.

Wound Bead Kit
Part Number 0199000027
The wound bead kit has twelve wound beads in two suppression materials, 44 and 61, wound in several winding configurations. Parts are RoHS compliant.

Bead-On-Lead Kit
Part Number 0199000028
This bead-on-lead kit has three parts each in three materials, 73, 43 and 61, for through hole applications. Parts are RoHS compliant.

Engineering Kits

Rod Kit (52 Matl)
Part Number 0199000029
A new rod kit in the new 52 material. Samples of seven sizes intended for open circuit applications that require a ferrite material with high saturation and Curie temperature.

31 Snap-It Kit
Part Number 0199000030
This 31 material snap-it kit has a range parts for different cable diameters. Suggested operating frequency 1-300 MHz.

43 Snap-It Kit
Part Number 0199000031
Snap-it assemblies suitable for the 25-300 MHz frequency range. Can accommodate cable diameters from .250 to .590 inches.

46 Core and Snap-It Kit
Part Number 0199000032
This kit has a selection of cable cores and snap-its in our new economical 46 material. This material has similar performance as our 43/44 grade materials over the 25-300 MHz frequency range.

61 Snap-It Kit
Part Number 0199000033
Our recommendation for suppressing conducted EMI in 200-1000 MHz is the 61 material. This kit has a selection of 61 snap-its.

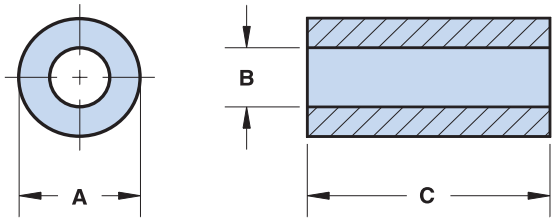
Chip Inductor Kit
Part Number 0199000035
The chip inductor kit has several EIA sizes in both ferrite and ceramic chip inductors. Parts are RoHS compliant.

Multi-Aperture Core Kit
Part Number 0199000036
Kit contains several sizes in four materials, 73, 43, 61 and 67. This allows experimentation from a few kHz into the 50-100 MHz range.

Round Cable EMI Suppression Cores

Listed by frequency range and in ascending order of "B" dimension.

Fair-Rite offers a broad selection of ferrite EMI suppression cable cores in several materials with guaranteed minimum impedance specifications.



. All cable cores have been burnished to remove the sharp edges.

. The column "H" (Oe) gives for each cable core the calculated dc bias field in oersted for 1 turn and 1 ampere direct current. The actual dc H field in the application, is this value of "H" times the actual NI (ampere-turns) product. For the effect of the dc bias on the impedance of the core material, see the material graphs on pages 145-146, Figures 18-23.

. Suppression cable cores are controlled for impedances only. The impedances listed are typical values. Minimum impedance values are specified for the + marked frequencies. The minimum guaranteed impedance is the listed impedance less 20%.

. Single turn impedance tests for 31, 43 and 46 material cores are performed on the 4193A Vector Impedance Meter. The 61 material parts are tested on the 4191A RF Impedance Analyzer. **Cores are tested with the shortest practical wire length.**

. Performance curves of all listed cable suppression cores are compiled on the Fair-Rite Products CD-ROM.

. For smaller suppression parts, refer to the section "EMI Suppression Beads" on pages 29-33.

. For any cable suppression core not listed here, feel free to contact our customer service group for availability and pricing.

. Our "Expanded Cable and Connector EMI Suppression Kit" (part number 0199000005) contains a selection of these suppression cores. See page 67.

. Explanation of Part Numbers: Digits 1&2 = product class, 3&4 material grade and last digit 2 = burnished.

Lower & Broadband Frequencies 1-300 MHz (31 material)

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	A	B	C*	Wt (g)	H (Oe)	Typical Impedance (Ω)					
						1 MHz	5 MHz	10 MHz+	25 MHz+	100 MHz+	250 MHz
2631250202	**6.35±0.15** .250	**2.95+0.45** .125	**25.4±0.75** 1.000	2.9	.52	27	70	90	138	230	240
2631023002	**9.5±0.25** .375	**4.75+0.3** .193	**19.05±0.7** .750	4.7	.52	19	49	62	95	160	185
2631480102	**12.3±0.4** .485	**4.95+0.25** .200	**12.7±0.4** .500	6.0	.52	18	45	58	88	140	167
2631480002	**12.3±0.4** .485	**4.95+0.25** .200	**25.4±0.75** 1.000	12	.52	34	88	115	175	295	267
2631540202	**14.3±0.45** .562	**6.35±0.25** .250	**13.8 - 0.7** .530	8.3	.43	17	44	58	88	140	160
2631540002	**14.3±0.45** .562	**6.35±0.25** .250	**28.6±0.75** 1.125	17.7	.43	35	91	119	181	300	280
2631625002	**16.25 - 0.75** .625	**7.9±0.25** .312	**14.3±0.35** .562	10.3	.36	16	40	53	75	130	150
2631625102	**16.25 - 0.75** .625	**7.9±0.25** .312	**28.6±0.75** 1.125	20.5	.36	30	79	103	156	260	268
2631665802	**17.45±0.4** .687	**9.5±0.25** .375	**12.7±0.5** .500	10.3	.32	13	31	38	60	115	137
2631665702	**17.45±0.4** .687	**9.5±0.25** .375	**28.6±0.75** 1.125	23.1	.32	27	69	89	138	225	265

* *This dimension may be modified to suit specific applications.*

+ *Test frequency*

Click on part number for performance curves.

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Round Cable EMI Suppression Cores

Listed by frequency range and in ascending order of "B" dimension.

Lower & Broadband Frequencies 1-300 MHz (31 material)

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	A	B	C*	Wt (g)	H (Oe)	Typical Impedance (Ω)					
						1 MHz	5 MHz	10 MHz+	25 MHz+	100 MHz+	250 MHz
2631626302	**18.7±0.5** .735	**10.15±0.25** .400	**14.65 - 0.75** .562	13.3	.29	14	35	44	69	115	140
2631626402	**18.7±0.5** .735	**10.15±0.25** .400	**28.6±0.75** 1.125	26.6	.29	27	69	89	138	225	235
2631102002	**25.9±0.75** 1.020	**12.8±0.25** .505	**28.6±0.8** 1.125	55	.22	31	79	103	156	260	280
2631101902	**28.5±0.6** 1.122	**13.8±0.3** .543	**28.6±0.8** 1.125	68	.21	32	82	106	163	270	300
2631801202	**29.0±0.75** 1.142	**19.0±0.5** .748	**13.85±0.4** .545	25	.17	10	24	31	49	88	130
2631103002	**31.1±0.85** 1.225	**19.05±0.6** .750	**50.8±1.0** 2.000	116	.17	37	98	120	205	340	315
2631626202	**50.8±1.3** 2.000	**25.4±0.8** 1.000	**38.1±0.75** 1.500	278	.11	40	103	140	215	365	290
2631803802	**61.0±1.3** 2.400	**35.55±0.85** 1.400	**12.7±0.5** .500	118	.09	12	28	40	63	119	215

Broadband Frequencies 25-300 MHz (43 material)

Part Number	A	B	C*	Wt (g)	H (Oe)	Typical Impedance (Ω)			
						10 MHz	25 MHz+	100 MHz+	250 MHz
2643480102	**12.3±0.4** .485	**4.95+0.25** .200	**12.7±0.4** .500	6.0	.52	52	84	121	145
2643480002	**12.3±0.4** .485	**4.95+0.25** .200	**25.4±0.75** 1.000	12	.52	102	165	236	233
2643540702	**14.3±0.45** .562	**6.35±0.25** .250	**5.3 - 0.45** .200	3.1	.43	20	30	50	68
2643540102	**14.3±0.45** .562	**6.35±0.25** .250	**10.15±0.4** .400	6.3	.43	39	61	89	104
2643540202	**14.3±0.45** .562	**6.35±0.25** .250	**13.8 - 0.7** .530	8.3	.43	51	78	118	140
2643540002	**14.3±0.45** .562	**6.35±0.25** .250	**28.6±0.75** 1.125	17.7	.43	105	171	250	255
2643540302	**14.3±0.45** .562	**7.1±0.25** .280	**15.25±0.4** .600	8.9	.41	50	75	118	137
2643800302	**12.7±0.25** .500	**7.15±0.2** .282	**4.9 - 0.25** .188	2.0	.43	15	26	42	59
2643540402	**14.3±0.45** .562	**7.25±0.2** .286	**28.6±0.75** 1.125	16	.40	88	143	215	230
2643801102	**12.7±0.25** .500	**7.9±0.2** .312	**6.35±0.2** .250	2.4	.40	16	26	41	59
2643801902	**12.7±0.25** .500	**7.9±0.2** .312	**12.7±0.4** .500	4.7	.40	29	44	73	91

* *This dimension may be modified to suit specific applications.*

+ *Test frequency*

Click on part number for performance curves.

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Round Cable EMI Suppression Cores

Listed by frequency range and in ascending order of "B" dimension.

Broadband Frequencies 25-300 MHz (43 material)

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	A	B	C*	Wt (g)	H (Oe)	Typical Impedance (Ω)			
						10 MHz	25 MHz+	100 MHz+	250 MHz
2643625002	**16.25 - 0.75** .625	**7.9±0.25** .312	**14.3±0.35** .562	10.3	.36	45	70	113	135
2643625102	**16.25 - 0.75** .625	**7.9±0.25** .312	**28.6±0.75** 1.125	20.5	.36	90	130	213	305
2643625202	**15.9±0.4** .625	**7.9±0.3** .312	**50.8±1.0** 2.000	36	.36	158	235	384	373
2643665902	**17.45±0.4** .687	**9.5±0.25** .375	**6.35±0.25** .250	5.1	.32	19	26	44	62
2643665802	**17.45±0.4** .687	**9.5±0.25** .375	**12.7±0.5** .500	10.3	.32	35	55	88	108
2643665702	**17.45±0.4** .687	**9.5±0.25** .375	**28.6±0.75** 1.125	23.1	.32	78	125	200	255
2643626302	**18.7±0.5** .735	**10.15±0.25** .400	**14.65 - 0.75** .562	13.3	.29	41	63	96	123
2643626402	**18.7±0.5** .735	**10.15±0.25** .400	**28.6±0.75** 1.125	26.6	.29	79	128	196	220
2643626502	**18.7±0.6** .735	**10.15±0.4** .400	**50.8±1.0** 2.000	47	.29	138	225	348	405
2643801502	**25.4±0.65** 1.000	**12.7±0.35** .500	**6.35±0.25** .250	11.6	.23	22	34	53	87
2643102402	**25.9±0.75** 1.020	**12.8±0.25** .505	**21.3±0.5** .840	41	.22	68	110	183	230
2643102002	**25.9±0.75** 1.020	**12.8±0.25** .505	**28.6±0.8** 1.125	55	.22	91	145	235	275
2643800602	**20.95±0.4** .825	**13.2±0.3** .520	**6.35±0.2** .250	6.3	.24	16	24	44	67
2643800502	**20.95±0.4** .825	**13.2±0.3** .520	**11.9±0.4** .468	11.9	.24	27	45	82	115
2643801802	**22.1±0.4** .870	**13.7±0.3** .540	**6.35±0.2** .250	7.2	.23	15	25	45	70
2643101902	**28.5±0.6** 1.122	**13.8±0.3** .543	**28.6±0.8** 1.125	67	.21	93	145	230	290
2643801402	**25.4±0.6** 1.000	**15.5±0.5** .610	**8.1±0.3** .320	12.4	.20	20	35	55	95
2643806402	**25.4±0.6** 1.000	**15.5±0.5** .610	**12.7±0.4** .500	19.4	.20	30	53	90	130
2643251002	**39.1±0.75** 1.540	**16.75±0.5** .660	**22.2±0.8** .875	104	.16	85	135	230	325
2643801002	**29.0±0.75** 1.142	**19.0±0.5** .748	**7.5±0.25** .295	13.6	.17	17	28	47	80
2643801202	**29.0±0.75** 1.142	**19.0±0.5** .748	**13.85±0.4** .545	25.1	.17	28	51	92	142
2643103102	**29.0±0.75** 1.142	**19.0±0.5** .748	**38.1±0.75** 1.500	69	.17	87	130	200	250

* *This dimension may be modified to suit specific applications.*

+ *Test frequency*

Click on part number for performance curves.

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Round Cable EMI Suppression Cores

Listed by frequency range and in ascending order of "B" dimension.

Broadband Frequencies 25-300 MHz (43 material)

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	A	B	C*	Wt (g)	H (Oe)	Typical Impedance (Ω)			
						10 MHz	25 MHz+	100 MHz+	250 MHz
2643804502	**31.1±0.75** 1.225	**19.05±0.5** .750	**16.3 - 0.75** .627	36	.17	37	60	100	153
2643103002	**31.1±0.85** 1.225	**19.05±0.6** .750	**50.8 ± 1.0** 2.000	116	.17	105	195	330	310
2643802702	**35.55±0.75** 1.400	**22.85±0.5** .900	**12.7±0.5** .500	36	.14	28	48	80	135
2643626102	**50.8±1.0** 2.000	**25.4±0.5** 1.000	**25.4±0.75** 1.000	190	.11	80	128	224	310
2643625902	**50.8±1.0** 2.000	**25.4±0.5** 1.000	**28.7±0.75** 1.130	215	.11	90	145	254	373
2643626202	**50.8±1.3** 2.000	**25.4±0.8** 1.000	**38.1±0.75** 1.500	285	.11	118	193	336	280
2643626002	**50.8±1.3** 2.000	**25.4±0.8** 1.000	**50.8±1.0** 2.000	380	.11	157	240	360	257
2643803802	**61.0±1.3** 2.400	**35.55±0.85** 1.400	**12.7±0.5** .500	118	.09	33	58	108	218

Broadband Frequencies 25-300 MHz (Economical 46 material)

Part Number	A	B	C*	Wt (g)	H (Oe)	Typical Impedance (Ω)			
						10 MHz	25 MHz	100 MHz+	250 MHz
2646480102	**12.3±0.4** .485	**4.95+0.25** .200	**12.7±0.4** .500	6.0	.52	42	62	110	145
2646480002	**12.3±0.4** .485	**4.95+0.25** .200	**25.4±0.75** 1.000	12	.52	83	125	212	233
2646540202	**14.3±0.45** .562	**6.35±0.25** .250	**13.8 - 0.7** .530	8.3	.43	45	66	106	127
2646540002	**14.3±0.45** .562	**6.35±0.25** .250	**28.6±0.75** 1.125	17.7	.43	89	134	225	253
2646625002	**16.25 - 0.75** .625	**7.9±0.25** .312	**14.3±0.35** .562	10.3	.36	44	63	102	135
2646625102	**16.25 - 0.75** .625	**7.9±0.25** .312	**28.6±0.75** 1.125	20.5	.36	78	115	192	235
2646625202	**15.9±0.4** .625	**7.9±0.3** .312	**50.8±1.0** 2.000	36	.36	138	204	345	270
2646665802	**17.45±0.4** .687	**9.5±0.25** .375	**12.7±0.5** .500	10.3	.32	32	49	79	110
2646665702	**17.45±0.4** .687	**9.5±0.25** .375	**28.6±0.75** 1.125	23.1	.32	72	106	180	225
2646102402	**25.9±0.75** 1.020	**12.8±0.25** .505	**21.3±0.5** .840	41	.22	67	100	165	218
2646102002	**25.9±0.75** 1.020	**12.8±0.25** .505	**28.6±0.8** 1.125	55	.22	74	118	212	268
2646101902	**28.5±0.6** 1.122	**13.8±0.3** .543	**28.6±0.8** 1.125	67	.21	80	121	207	285

* *This dimension may be modified to suit specific applications.*

+ *Test frequency*

Click on part number for performance curves.

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Round Cable EMI Suppression Cores

Listed by frequency range and in ascending order of "B" dimension.

Broadband Frequencies 25-300 MHz (Economical 46 material)

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	A	B	C*	Wt (g)	H (Oe)	Typical Impedance (Ω)			
						10 MHz	25 MHz	100 MHz+	250 MHz
2646804502	**31.1±0.75** 1.225	**19.05±0.5** .750	**16.3 - 0.75** .627	36	.17	33	49	90	150
2646103002	**31.1±0.85** 1.225	**19.05±0.6** .750	**50.8 ± 1.0** 2.000	116	.17	95	155	297	310
2646626202	**50.8±1.3** 2.000	**25.4±0.8** 1.000	**38.1±0.75** 1.500	285	.11	102	165	302	280
2646803802	**61.0±1.3** 2.400	**35.55±0.85** 1.400	**12.7±0.5** .500	118	.09	30	44	100	200

Higher Frequencies 200-1000 MHz (61 material)

Part Number	A	B	C*	Wt (g)	H (Oe)	Typical Impedance(Ω)			
						100 MHz	250 MHz+	500 MHz+	1000 MHz
2661480002	**12.3±0.4** .485	**4.95+0.25** .200	**25.4±0.75** 1.000	12	.52	???	???	???	???
2661540202	**14.3±0.45** .562	**6.35±0.25** .250	**13.8 - 0.7** .530	8.3	.43	100	145	185	260
2661540002	**14.3±0.45** .562	**6.35±0.25** .250	**28.6±0.75** 1.125	17.7	.43	205	295	370	350
2661801902	**12.7±0.25** .500	**7.9±0.25** .312	**12.7± 0.4** .500	4.7	.40	45	70	105	175
2661665802	**17.45±0.4** .687	**9.5±0.25** .375	**12.7±0.5** .500	10.3	.32	85	125	160	205
2661665702	**17.45±0.4** .687	**9.5±0.25** .375	**28.6±0.75** 1.125	23.1	.32	190	280	360	450
2661626302	**19.0 - 0.65** .735	**10.15±0.25** .400	**14.65 - 0.75** .562	13.3	.29	90	135	180	235
2661626402	**19.0 - 0.65** .735	**10.15±0.25** .400	**28.6±0.75** 1.125	26.6	.29	185	250	370	460
2661102402	**25.9±0.75** 1.020	**12.8±0.25** .505	**21.3±0.5** .840	41	.22	125	200	310	550
2661102002	**25.9±0.75** 1.020	**12.8±0.25** .505	**28.6±0.8** 1.125	55	.22	190	300	380	400

* *This dimension may be modified to suit specific applications.*

+ *Test frequency*

Click on part number for performance curves.

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Round Cable Snap-its

Listed by frequency range and in ascending order of cable diameter.

Round cable snap-its can easily accommodate round cables or bundled wires with diameters from 2.5 mm (.100") to 25.4 mm (1.000"). These assemblies are available in four ferrite material grades to suppress differential or common-mode conducted EMI from 1 MHz into the GHz region.
The polypropylene cases are meeting the RoHS restrictions of hazardous substances and have a flammability rating of UL 94-VO.

- Round cable snap-it assemblies are controlled for impedances only. The impedances listed are typical values. Minimum impedance values are specified for the + marked frequencies. The minimum guaranteed impedance is the listed impedance less 20%.
- Single turn impedance tests for the 31, 43 and 44 material are performed on the 4193A Vector Impedance Analyzer. The 61 material parts are tested on the 4191A RF Impedance Analyzer. **Cores are tested with the shortest practical wire length.**
- Performance curves of all listed round cable snap-its are compiled on the Fair-Rite Products CD-ROM.
- Many of the snap-it parts have round core equivalents. See section Round Cable EMI Suppression Cores on pages 70-74.
- Round Cable Snap-it Kits are available for each of the four suppression materials. 31 Snap-It Kit (0199000030), 43 Snap-It Kit (0199000031), 46 Core and Snap-It Kit (0199000032) and 61 Snap-It Kit (0199000033). For additional details see page 68.
- Explanation of Part Numbers: Digits 1&2 = product class and 3&4 material grade.

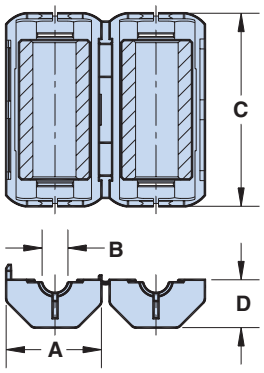

Figure 1

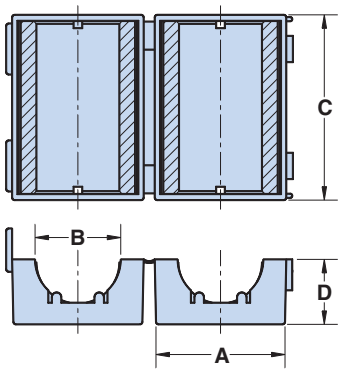

Figure 2

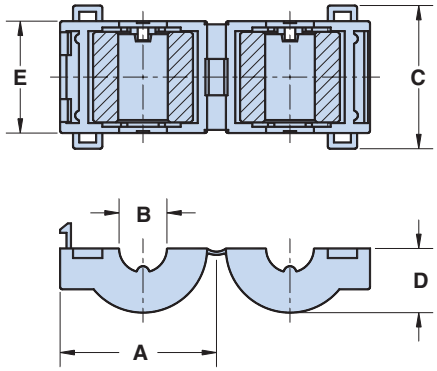

Figure 3

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Round Cable Snap-its

Listed by frequency range and in ascending order of cable diameter.

Lower & Broadband Frequencies 1-300 MHz (31 material)

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	Fig.	Max. Cable Diameter	A	B**	C	D	Wt. (g)	Typical Impedance(Ω)						Solid Equivalent*
								1 MHz	5 MHz	10 MHz+	25 MHz+	100 MHz+	250 MHz	
0431178181	1	**4.1** .161	**11.8** .465	**4.3** .169	**23.2** .913	**5.6** .221	4.2	12	43	60	90	160	183	
0431173951	1	**4.9** .193	**12.8** .504	**5.1** .201	**25.0** .984	**5.6** .220	6.5	14	44	60	100	180	208	**2631023002**
0431164951	1	**4.9** .193	**17.3** .680	**5.1** .201	**36.2** 1.420	**8.4** .331	17	25	75	100	169	280	247	**2631480002**
0431164281	1	**6.3** .250	**20.0** .788	**6.6** .260	**39.4** 1.550	**9.8** .385	26	28	83	105	180	310	240	**2631540002**
0431178281	1	**8.7** .343	**21.5** .846	**9.0** .354	**39.4** 1.550	**10.55** .415	23	18	63	85	130	250	275	**2631665702**
0431167281	1	**9.85** .388	**23.7** .933	**10.15** .400	**39.4** 1.550	**11.7** .461	33	18	56	81	144	240	270	**2631626402**
0431164181	1	**12.7** .500	**31.0** 1.220	**13.05** .514	**39.4** 1.550	**15.25** .600	61	25	71	100	156	260	260	**2631102002**
0431176451	1	**18.0** .709	**38.6** 1.520	**18.35** .722	**47.5** 1.870	**19.15** .755	161	47	95	130	225	380	370	**2631103002**
0431173551	2	**18.5** .728	**29.2** 1.150	**18.8** .740	**42.0** 1.65	**14.7** .579	78	16	48	69	125	220	310	**2631103102**
0431177081	1	**25.4** 1.000	**56.4** 2.220	**25.9** 1.020	**42.95** 1.690	**27.45** 1.080	308	45	90	125	218	375	340	**2631626202**

Broadband Frequencies 25-300 MHz (43 & 44 materials)

Part Number	Fig.	Max. Cable Diameter	A	B**	C	D	E	Wt. (g)	Typical Impedance(Ω)				Solid Equivalent*
									10 MHz	25 MHz+	100 MHz+	250 MHz	
0443178181	1	**4.1** .161	**11.8** .465	**4.3** .169	**23.2** .913	**5.6** .221		4.2	40	70	125	152	
0444173951	1	**4.9** .193	**12.8** .504	**5.1** .201	**25.0** .984	**5.6** .220		6.5	54	94	150	187	**2643023002**
0444164951	1	**4.9** .193	**17.3** .680	**5.1** .201	**38.2** 1.420	**8.4** .331		17	90	144	245	257	**2643480002**
0443164251	2	**6.3** .250	**17.9** .705	**6.6** .260	**32.2** 1.270	**9.2** .362		31	100	163	275	275	**2643540002**
0444164281	1	**6.3** .250	**20.0** .788	**6.6** .260	**39.4** 1.550	**9.8** .385		26	95	156	260	270	**2643540002**
0443625006	3	**7.6** .299	**24.7** .972	**7.9** .311	**22.8** .898	**10.2** .402	**17.8** .701	13	27	50	113	188	**2643625002**
0443178281	1	**8.7** .343	**21.5** .846	**9.0** .354	**39.4** 1.550	**10.55** .415		24	65	120	230	265	**2643665702**
0443665806	3	**9.2** .362	**26.3** 1.035	**9.5** .374	**21.4** .843	**11.0** .433	**16.4** .646	13	23	41	88	122	**2643665802**

* *For solid cable cores see pages 32 and 70-74*

Click on part number for performance curves.

\+ *Test frequency*

** *"B" dimension is the core dimension.*

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Round Cable Snap-its

Listed by frequency range and in ascending order of cable diameter.

Broadband Frequencies 25-300 MHz (43 & 44 materials)

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	Fig.	Max. Cable Diameter	A	B**	C	D	E	Wt. (g)	Typical Impedance(Ω)				Solid Equivalent*
									10 MHz	25 MHz+	100 MHz+	250 MHz	
0443167251	2	**9.85** .388	**22.1** .870	**10.15** .400	**32.3** 1.272	**11.0** .433		42	79	138	225	285	**2643626402**
0444167281	1	**9.85** .388	**23.7** .933	**10.15** .400	**39.4** 1.550	**11.7** .460		33	77	125	210	260	**2643626402**
0443164151	2	**12.7** .500	**29.0** 1.142	**13.05** .514	**32.5** 1.280	**14.8** .583		84	90	156	250	305	**2643102002**
0444164181	1	**12.7** .500	**31.0** 1.220	**13.05** .514	**39.4** 1.550	**15.25** .600		61	76	138	230	280	**2643102002**
0443800506	3	**12.8** .504	**29.7** 1.169	**13.2** .520	**20.6** .811	**12.7** .500	**15.6** .614	16	18	35	75	120	**2643800502**
0443806406	3	**15.0** .591	**34.3** 1.360	**15.5** .610	**21.2** .835	**15.0** .591	**16.2** .638	23	24	43	90	147	**2643806402**
0444176451	1	**18.0** .709	**38.6** 1.520	**18.35** .722	**47.5** 1.870	**19.15** .755		161	100	175	365	365	**2643103002**
0444173551	2	**18.5** .728	**29.2** 1.150	**18.8** .740	**42.0** 1.650	**14.7** .579		78	50	95	195	322	**2643103102**
0444177081	1	**25.4** 1.000	**56.4** 2.220	**25.9** 1.020	**42.95** 1.690	**27.45** 1.080		308	115	194	335	330	**2643626202**

Broadband Frequencies 25-300 MHz (Economical 46 material)

Part Number	Fig.	Max. Cable Diameter	A	B**	C	D	E	Wt. (g)	Typical Impedance(Ω)				Solid Equivalent*
									10 MHz	25 MHz	100 MHz+	250 MHz	
0446173951	1	**4.9** .193	**12.8** .504	**5.1** .201	**25.0** .984	**5.6** .220		6.5	46	82	135	185	
0446164951	1	**4.9** .193	**17.3** .680	**5.1** .201	**38.2** 1.420	**8.4** .331		17	72	120	220	250	**2646480002**
0446164281	1	**6.3** .250	**20.0** .788	**6.6** .260	**39.4** 1.550	**9.8** .385		26	81	131	235	265	**2646540002**
0446164251	2	**6.3** .250	**17.9** .705	**6.6** .260	**32.2** 1.270	**9.2** .362		31	81	134	245	273	**2646540002**
0446167281	1	**9.85** .388	**23.7** .933	**10.15** .400	**39.4** 1.550	**11.7** .460		33	66	105	190	275	
0446167251	2	**9.85** .388	**22.1** .870	**10.15** .400	**32.3** 1.272	**11.0** .433		42	72	116	202	247	
0446164181	1	**12.7** .500	**31.0** 1.220	**13.05** .514	**39.4** 1.550	**15.25** .600		61	73	115	205	275	**2646102002**
0446164151	2	**12.7** .500	**29.0** 1.142	**13.05** .514	**32.5** 1.280	**14.8** .583		84	84	127	225	270	**2646102002**
0446176451	1	**18.0** .709	**38.6** 1.520	**18.35** .722	**47.5** 1.870	**19.15** .755		161	85	137	330	360	**2646103002**
0446173551	2	**18.5** .728	**29.2** 1.150	**18.8** .740	**42.0** 1.650	**14.7** .579		78	48	85	176	300	
0446177081	1	**25.4** 1.000	**56.4** 2.220	**25.9** 1.020	**42.95** 1.690	**27.45** 1.080		308	97	169	330	330	**2646626202**

* *For solid cable cores see pages 70-74*

Click on part number for performance curves.

\+ *Test frequency*

** *"B" dimension is the core dimension.*

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Round Cable Snap-its

Listed by frequency range and in ascending order of cable diameter.

Higher Frequencies 200-1000 MHz (61 material)

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	Fig.	Max. Cable Diameter	A	B**	C	D	Wt. (g)	Typical Impedance(Ω)				Solid Equivalent*
								100 MHz	250 MHz+	500 MHz+	1000 MHz	
0461178181	1	**4.1** .161	**11.8** .465	**4.3** .169	**23.2** .913	**5.6** .221	42	115	165	215	300	
0461164951	1	**4.9** .193	**17.3** .620	**5.1** .201	**38.2** 1.420	**8.4** .331	17	215	325	385	332	**2661480002**
0461164281	1	**6.3** .250	**20.0** .788	**6.6** .260	**39.4** 1.550	**9.8** .385	26	230	355	425	420	**2661540002**
0461178281	1	**8.7** .343	**21.5** .846	**9.0** .354	**39.4** 1.550	**10.55** .415	24	180	285	380	430	**2661665702**
0461167281	1	**9.85** .388	**23.7** .933	**10.15** .400	**39.4** 1.550	**11.7** .460	33	175	275	375	400	**2661626402**
0461164181	1	**12.7** .500	**31.0** 1.220	**13.05** .514	**39.4** 1.550	**15.25** .600	61	205	320	435	257	**2661102002**
0461176451	1	**18.0** .709	**38.6** 1.520	**18.35** .722	**47.5** 1.870	**19.15** .755	161	360	480	350	110	

* *For solid cable cores see pages 70-74*

Click on part number for performance curves.

\+ *Test frequency*

** *"B" dimension is the core dimension.*

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Split Round Cable EMI Suppression Cores

Listed by frequency and in ascending order of cable diameter.

Split round cable suppression cores can be used on cables and wire harnesses with diameters ranging from 2.5 mm (.100") to 25.4 mm (1.000"). These cores are available in three ferrite material grades to attenuate conducted differential and common-mode EMI from 1 MHz into the GHz region.

- Split round cable suppression cores are controlled for impedances only. The impedances listed are typical values. Minimum impedance values are specified for the + marked frequencies. The minimum guaranteed impedance is the listed impedance less 20%.
- Single turn impedance tests for the 31, 43, 44 and 46 material are performed on the 4193A Vector Impedance Analyzer. The 61 material parts are tested on the 4191A RF Impedance Analyzer. **Cores are tested with the shortest practical wire length.**
- Over-molding, heat shrink tubing or any other suitable mechanical arrangement can be utilized to clamp split cable cores together. Many of these split round cable cores can be supplied as Round Snap-It assemblies. The first two digits change from 26 to 04. See pages 75 - 78 for the listing of Round Cable Snap-Its.
- Many of the split round cable suppression cores have round cable core equivalents. See section Round Cable EMI Suppression Cores on pages 70-74.
- Performance curves of all listed split round cable suppression cores are compiled on the Fair-Rite CD-ROM.
- The "Expanded Cable and Suppressor Kit" (part number 0199000005) contains a selection of these split round cable suppression cores. For details see page 67.
- Explanation of Part Numbers: Digits 1&2 = product class and 3&4 material grade.

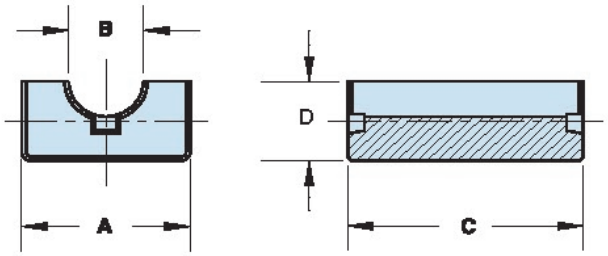

Figure 1

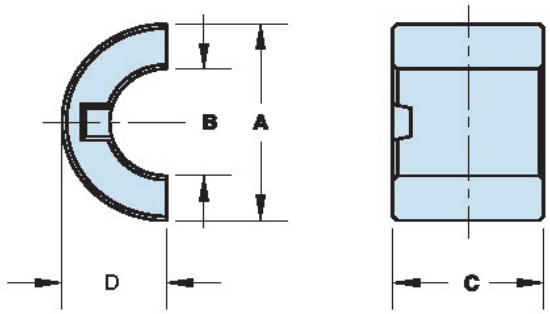

Figure 2

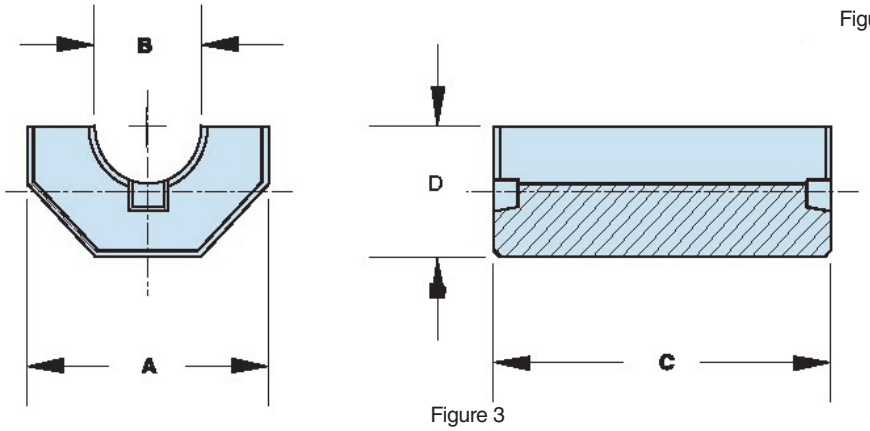

Figure 3

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Split Round Cable EMI Suppression Cores

Listed by frequency and in ascending order of cable diameter.

Lower & Broadband Frequencies 1-300 MHz (31 material)

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	Fig.	Max. Cable Diameter	A	B**	C	D	Wt. (g)	Typical Impedance(Ω)						Solid Equivalent*
								1 MHz	5 MHz	10 MHz+	25 MHz+	100 MHz+	250 MHz	
2631178181	3	**4.1** .161	**9.0 ± 0.25** .354	**4.3±0.2** .169	**18.0±0.5** .709	**4.2±0.15** .166	2.0	12	43	60	90	160	183	
2631173951	3	**4.9** .193	**10.0±0.25** .394	**5.1±0.2** .201	**19.8±0.5** .780	**4.6±0.15** .181	2.8	14	44	60	100	180	208	**2631023002**
2631164951	3	**4.9** .193	**12.3±0.45** .484	**5.1±0.2** .201	**25.4±0.75** 1.000	**6.15±0.2** .242	6.6	25	75	100	169	280	247	**2631480002**
2631164281	3	**6.3** .250	**15.0±0.25** .590	**6.6±0.3** .260	**28.9±0.6** 1.125	**7.5±0.15** .295	11	28	83	105	180	310	240	**2631540002**
2631178281	3	**8.7** .343	**16.5±0.4** .648	**9.0±0.3** .354	**28.6±0.8** 1.126	**8.25±0.15** .325	9.9	18	63	85	130	250	275	**2631665702**
2631167281	3	**9.85** .388	**18.6±0.45** .732	**10.15±0.3** .400	**28.9±0.6** 1.138	**9.5±0.25** .375	14	18	56	81	144	240	270	**2631626402**
2631164181	3	**12.7** .500	**25.9±0.5** 1.020	**13.05±0.3** .514	**28.9±0.6** 1.138	**12.95±0.25** .510	27	25	71	100	156	260	260	**2631102002**
2631176451	3	**18.0** .709	**34.9±0.65** 1.374	**18.35±0.35** .722	**44.35±0.35** 1.746	**17.45±0.3** .687	76	47	95	130	225	380	370	**2631103002**
2631173551	1	**18.5** .728	**25.9±0.5** 1.020	**18.8±0.3** .740	**38.9±0.4** 1.532	**13.0±0.25** .512	35	16	48	69	125	220	310	**2631103102**
2631177081	3	**25.4** 1.000	**50.8±1.0** 2.000	**25.9±0.5** 1.030	**37.45±0.75** 1.474	**25.4±0.5** 1.000	145	45	90	125	218	375	340	**2631626202**

Broadband Frequencies 25-300 MHz (43 & 44 material)

Part Number	Fig.	Max. Cable Diameter	A	B**	C	D	Wt. (g)	Typical Impedance(Ω)				Solid Equivalent*
								10 MHz	25 MHz+	100 MHz+	250 MHz	
2643166751	1	**2.3** .090	**7.65 - 0.25** .296	**2.3+0.25** .095	**7.8 - 0.5** .297	**3.9 - 0.25** .148	1.0	30	60	93	105	**2643000801**
2643178181	3	**4.1** .161	**9.0 ± 0.25** .354	**4.3±0.2** .169	**18.0±0.5** .709	**4.2±0.15** .166	2.0	40	70	125	152	
2644173951	3	**4.9** .193	**10.0±0.25** .394	**5.1±0.2** .201	**19.8±0.5** .780	**4.6±0.15** .181	2.8	54	94	150	187	**2643023002**
2644164951	3	**4.9** .193	**12.3±0.45** .484	**5.1±0.2** .201	**25.4±0.75** 1.000	**6.15±0.2** .242	6.6	90	144	245	257	**2643480002**
2643164251	1	**6.3** .250	**15.0±0.25** .590	**6.6±0.3** .260	**28.6±0.8** 1.125	**7.5±0.15** .295	14	100	163	275	275	**2643540002**
2644164281	3	**6.3** .250	**15.0±0.25** .590	**6.6±0.3** .260	**28.9±0.6** 1.125	**7.5±0.15** .295	11	95	156	260	270	**2643540002**
2643165451	1	**6.3** .250	**15.0±0.25** .590	**6.6±0.3** .260	**15.25±0.6** .600	**7.5±0.15** .295	7.0	52	94	155	232	
2643625006	2	**7.6** .300	**15.9±0.4** .626	**7.9±0.3** .311	**14.3±0.4** .563	**7.95±0.2** .313	5.3	27	50	113	188	**2643625002**
2643178281	3	**8.7** .343	**16.5±0.4** .648	**9.0±0.3** .354	**28.6±0.8** 1.126	**8.25±0.15** .325	9.9	65	120	230	265	**2643665702**
2643665806	2	**9.3** .365	**17.5±0.5** .689	**9.5±0.3** .374	**12.7±0.4** .500	**8.75±0.25** .344	5.1	23	41	88	122	**2643665802**

* *For solid cable cores see pages 31-32 and 70-74*

Click on part number for performance curves.

\+ *Test frequency*

** *"B" dimension is the core dimension.*

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Split Round Cable EMI Suppression Cores

Listed by frequency and in ascending order of cable diameter.

Broadband Frequencies 25-300 MHz (43 & 44 material)

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	Fig.	Max. Cable Diameter	A	B**	C	D	Wt. (g)	Typical Impedance(Ω)				Solid Equivalent*
								10 MHz	25 MHz+	100 MHz+	250 MHz	
2643167251	1	**9.85** .388	**18.65±0.4** .735	**10.15±0.3** .400	**28.6±0.8** 1.125	**9.4±0.15** .370	19	79	138	225	285	**2643626402**
2644167281	3	**9.85** .388	**18.6±0.45** .732	**10.15±0.3** .400	**28.9±0.6** 1.138	**9.5±0.25** .375	14	77	125	210	260	**2643626402**
2643164151	1	**12.7** .500	**25.9±0.5** 1.020	**13.05±0.3** .514	**28.6±0.8** 1.125	**12.95±0.25** .510	39	90	156	250	305	**2643102002**
2644164181	3	**12.7** .500	**25.9±0.5** 1.020	**13.05±0.3** .514	**28.9±0.6** 1.138	**12.95±0.25** .510	27	76	138	230	280	**2643102002**
2643800506	2	**12.8** .504	**21.0±0.5** .827	**13.2±0.4** .520	**11.9±0.4** .469	**10.5±0.25** .413	6.3	18	35	75	120	**2643800502**
2643806406	2	**15.0** .591	**25.4±0.6** 1.000	**15.5±0.5** .610	**12.7±0.4** .500	**12.7±0.3** .500	9.9	24	43	90	147	**2643806402**
2644176451	3	**18.0** .709	**34.9±0.65** 1.374	**18.35±0.35** .722	**44.35±0.35** 1.746	**17.45±0.3** .687	76	100	175	365	365	**2643103002**
2644173551	1	**18.5** .728	**25.9±0.5** 1.020	**18.8±0.3** .740	**38.9±0.4** 1.532	**13.0±0.25** .512	35	50	95	195	322	**2643103102**
2644177081	3	**25.4** 1.000	**50.8±1.0** 2.000	**25.9±0.5** 1.030	**37.45±0.75** 1.474	**25.4±0.5** 1.000	145	115	194	335	350	**2643626202**

Broadband Frequencies 25-300 MHz (Economical 46 material)

Part Number	Fig.	Max. Cable Diameter	A	B**	C	D	Wt. (g)	Typical Impedance(Ω)				Solid Equivalent*
								10 MHz	25 MHz	100 MHz+	250 MHz	
2646173951	3	**4.9** .193	**10.0±0.25** .394	**5.1±0.2** .201	**19.8±0.5** .780	**4.6±0.15** .181	2.8	46	82	135	185	
2646164951	3	**4.9** .193	**12.3±0.45** .484	**5.1±0.2** .201	**25.4±0.75** 1.000	**6.15±0.2** .242	6.6	72	120	220	250	**2646800002**
2646164251	1	**6.3** .250	**15.0±0.25** .590	**6.6±0.3** .260	**28.6±0.8** 1.125	**7.5±0.15** .295	14	81	134	245	273	**2646540002**
2646164281	3	**6.3** .250	**15.0±0.25** .590	**6.6±0.3** .260	**28.9±0.6** 1.125	**7.5±0.15** .295	11	81	131	235	265	**2646540002**
2646167281	3	**9.85** .388	**18.6±0.45** .732	**10.15±0.3** .400	**28.9±0.6** 1.138	**9.5±0.25** .375	14	66	105	190	275	
2646167251	1	**9.85** .388	**18.65±0.4** .735	**10.15±0.3** .400	**28.6±0.8** 1.125	**9.4±0.15** .370	19	72	116	202	247	
2646164181	3	**12.7** .500	**25.9±0.5** 1.020	**13.05±0.3** .514	**28.9±0.6** 1.138	**12.95±0.25** .510	27	73	115	205	275	**2646102002**
2646164151	1	**12.7** .500	**25.9±0.5** 1.020	**13.05±0.3** .514	**28.6±0.8** 1.125	**12.95±0.25** .510	39	84	127	225	270	**2646102002**
2646176451	3	**18.0** .709	**34.9±0.65** 1.374	**18.35±0.35** .722	**44.35±0.35** 1.746	**17.45±0.3** .687	76	85	152	330	360	**2646103002**
2646173551	1	**18.5** .728	**25.9±0.5** 1.020	**18.8±0.3** .740	**38.9±0.4** 1.532	**13.0±0.25** .512	35	48	85	176	300	
2646177081	3	**25.4** 1.000	**50.8±1.0** 2.000	**25.9±0.5** 1.030	**37.45±0.75** 1.474	**25.4±0.5** 1.000	145	97	169	330	330	**2646626202**

* *For solid cable cores see pages 70-74*

Click on part number for performance curves.

\+ *Test frequency*

** *"B" dimension is the core dimension.*

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Split Round Cable EMI Suppression Cores

Listed by frequency and in ascending order of cable diameter.

Higher Frequencies 200-1000 MHz (61 material)

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	Fig.	Max. Cable Diameter	A	B**	C	D	Wt. (g)	Typical Impedance(Ω)				Solid Equivalent*
								100 MHz+	250 MHz+	500 MHz+	1000 MHz	
2661178181	3	**4.1** .161	**9.0±0.25** .354	**4.5±0.2** .169	**18.0±0.5** .709	**4.2±0.15** .166	2.0	115	165	215	300	
2661164951	3	**4.9** .193	**12.3±0.45** .484	**5.1±0.2** .201	**25.4±0.75** 1.000	**6.15±0.2** .242	6.6	215	325	385	332	
2661164281	3	**6.3** .250	**15.0±0.25** .590	**6.6±0.3** .260	**28.9±0.6** 1.125	**7.5±0.15** .295	11	230	355	425	420	**2661540002**
2661178281	3	**8.7** .343	**16.5±0.4** .648	**9.0±0.3** .354	**28.6±0.8** 1.126	**8.25±0.15** .325	9.9	180	285	380	430	**2661665702**
2661167281	3	**9.85** .388	**18.6±0.45** .732	**10.15±0.3** .400	**28.9±0.6** 1.138	**9.5±0.25** .375	14	175	275	375	400	**2661626402**
2661164181	3	**12.7** .500	**25.9±0.5** 1.020	**13.05±0.3** .514	**28.9±0.6** 1.138	**12.95±0.25** .510	27	205	320	435	257	**2661102002**
2661176451	3	**18.0** .709	**34.9±0.65** 1.374	**18.35±0.35** .722	**44.35±0.35** 1.746	**17.45±0.3** .687	76	360	400	350	110	

* *For solid cable cores see pages 70-74*

Click on part number for performance curves.

\+ *Test frequency*

** "B" dimension is the core dimension.

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Flat Cable EMI Suppression Cores

Listed by frequency range and in ascending order of cable width.

Flat cable suppression core can accommodate multi-conductors flat cables, in widths from 12.7 mm (.500") up to 78 mm (3.1"). These flat cable cores are available in two ferrite material grades to reduce conducted EMI from 1 MHz into the hundreds of MHz.

- Flat cable suppression cores, split or single cores, are controlled for impedances only. The impedances listed are typical values. Minimum impedance values are specified for the + marked frequencies. The minimum guaranteed impedance is the listed impedance less 20%.
- Single turn impedance tests for the 31 and 43 material are made on the 4193A Vector Impedance Analyzer. **All tests are made with the shortest practical wire length.**
- Performance curves for all flat cable parts are compiled on the Fair-Rite Products CD-ROM.
- Assembly clips are available for most of the split flat cable cores. See pages 86-87 for a listing of flat cable cores and the clips that can be used with these cores.
- Our "Expanded Cable & Connector EMI Suppressor Kit" (part number 0199000005) contains a selection of these flat cable cores and clips. See page 67.
- Explanation of Part Numbers: Digits 1&2 = product class and 3&4 = material grade.

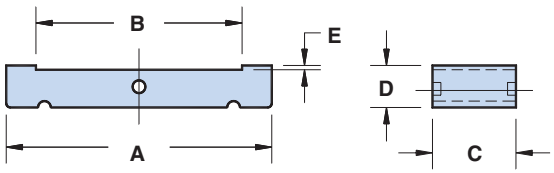

Figure 1

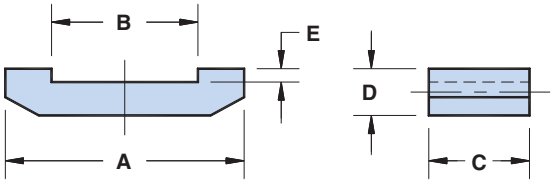

Figure 2

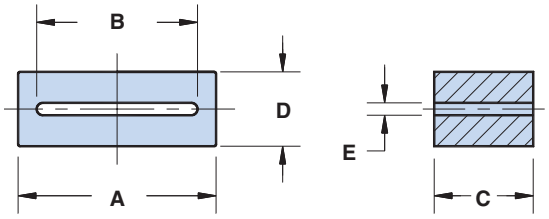

Figure 3

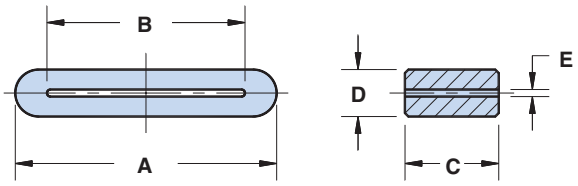

Figure 4

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Flat Cable EMI Suppression Cores

Listed by frequency range in ascending order of cable width.

Lower & Broadband Frequencies 1-300 MHz (31 material)

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	Fig.	Max. Cable Dimensions	A	B	C	D	E	Wt. (g)	Typical Impedance(Ω)					
									1 MHz	5 MHz	10 MHz+	25 MHz+	100 MHz+	250 MHz
2631163851	3	**25.9 x 1.5** 1.020 x .060	**38.1±1.0** 1.500	**26.65±0.75** 1.050	**25.4±0.75** 1.000	**12.05±0.4** .475	**1.9±0.4** .075	51	20	52	68	112	240	440
2631163951*	1	**51.0 x 1.3** 2.000 x .050	**63.5±1.3** 2.500	**52.1±1.1** 2.050	**28.6±0.8** 1.125	**6.35±0.25** .250	**0.85±0.2** .033	50	13	35	54	105	300	425
2631164051*	1	**64.0 x 1.3** 2.520 x .050	**76.2±1.5** 3.000	**65.3±1.3** 2.570	**28.6±0.8** 1.125	**6.35±0.25** .250	**0.85±0.2** .033	60	11	34	52	105	310	440

Broadband Frequencies 25-300 MHz (43 material)

Part Number	Fig.	Max. Cable Dimensions	A	B	C	D	E	Wt. (g)	Typical Impedance(Ω)			
									10 MHz	25 MHz+	100 MHz+	250 MHz
2643170251	2	**12.2 x 2.3** .480 x .091	**22.75±0.65** .895	**12.7±0.5** .500	**12.7±0.5** .500	**3.3 - 0.25** .125	**1.15+0.25** .050	3.5	20	35	70	135
2643178451	4	**13.1 x 1.35** .516 x .053	**18.5±0.4** .728	**13.5±0.4** .531	**6.0±0.3** .236	**6.6±0.25** .260	**1.6±0.25** .063	2.9	15	25	48	90
2643178351	4	**13.1 x 1.35** .516 x .053	**18.5±0.4** .728	**13.5±0.4** .531	**12.0±0.3** .472	**6.6±0.25** .260	**1.6±0.25** .063	5.9	31	48	82	140
2643169552	3	**13.95 x 0.75** .549 x .030	**19.95±0.4** .785	**14.2±0.25** .560	**10.15±0.5** .400	**6.35±0.25** .250	**0.9±0.15** .035	5.7	25	40	90	160
2643168751	3	**17.3 x 2.3** .681 x .091	**25.4±0.75** 1.000	**17.8±0.5** .700	**12.7±0.4** .500	**10.15±0.25** .400	**2.55±0.25** .100	13	31	50	95	200
2643173351	4	**19.6 x 0.5** .772 x .020	**24.5±0.4** .965	**20.0±0.4** .787	**12.0±0.3** .472	**5.0±0.25** .197	**0.75±0.25** .030	6.6	23	39	88	157
2643178651	4	**21.1 x 1.35** .831 x .053	**26.5±0.4** 1.043	**21.5±0.4** .846	**6.0±0.3** .236	**6.6±0.25** .260	**1.6±0.25** .063	4.1	13	22	50	95
2643178551	4	**21.1 x 1.35** .831 x .053	**26.5±0.4** 1.043	**21.5±0.4** .846	**12.0±0.3** .472	**6.6±0.25** .260	**1.6±0.25** .063	8.2	24	38	82	155
2643168651	2	**25.4 x 12.2** 1.000 x .480	**38.85±0.75** 1.530	**26.15±0.75** 1.030	**28.6±0.7** 1.125	**13.0±0.3** .512	**6.35+0.25** .255	45	57	100	188	295
2643164551	3	**25.9 x 1.5** 1.020 x .059	**38.1±1.0** 1.500	**26.65±0.75** 1.050	**12.3±0.4** .485	**12.05±0.4** .475	**1.9±0.4** .075	25	33	53	105	215
2643171051*	1	**25.9 x 1.3** 1.020 x .051	**38.1±1.0** 1.500	**26.65±0.75** 1.050	**12.7±0.4** .500	**6.35±0.25** .250	**0.85±0.2** .033	14	32	53	112	235

** For assembly clips see page 86.*

Click on part number for performance curves.

+ Test frequency

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Flat Cable EMI Suppression Cores

Listed by frequency range in ascending order of cable width.

Broadband Frequencies 25-300 MHz (43 material)

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	Fig.	Max. Cable Dimensions	A	B	C	D	E	Wt. (g)	Typical Impedance(Ω)			
									10 MHz	25 MHz+	100 MHz+	250 MHz
2643166851*	1	**25.9 x 1.3** 1.020 x .051	**38.1±1.0** 1.500	**26.65±0.75** 1.050	**25.4±0.75** 1.000	**6.35±0.25** .250	**0.85±0.2** .033	27	66	115	235	410
2643163851	3	**25.9 x 1.5** 1.020 x .059	**38.1±1.0** 1.500	**26.65±0.75** 1.050	**25.4±0.75** 1.000	**12.05±0.4** .475	**1.9±0.4** .075	51	64	105	220	385
2643178851	4	**26.1 x 1.35** 1.028 x .053	**31.5±0.4** 1.240	**26.5±0.4** 1.043	**6.0±0.3** .236	**6.6±0.25** .260	**1.6±0.25** .063	4.8	12	22	55	94
2643178751	4	**26.1 x 1.35** 1.028 x .053	**31.5±0.4** 1.240	**26.5±0.4** 1.043	**12.0±0.3** .472	**6.6±0.25** .260	**1.6±0.25** .063	9.7	22	37	85	157
2643172551	4	**26.5 x 1.25** 1.043 x .049	**33.5±0.65** 1.319	**27.0±0.5** 1.063	**8.0±0.4** .315	**6.5±0.25** .256	**1.25+0.7** .063	6.8	12	22	58	106
2643169351	3	**27.0 x 1.1** 1.063 x .043	**33.65±0.75** 1.325	**27.5±0.5** 1.083	**13.2±0.5** .520	**6.7±0.4** .265	**1.35±0.25** .053	12	22	39	98	192
2643166451*	1	**26.95 x 3.05** 1.061 x .120	**38.35±1.0** 1.510	**27.95±1.0** 1.100	**28.6±0.7** 1.125	**9.0±0.3** .355	**3.3±0.25** .130	35	61	96	185	335
2643168051	1	**32.3 x 6.2** 1.272 x .244	**52.9±1.0** 2.083	**33.0±0.7** 1.299	**31.25±1.0** 1.230	**12.5±0.4** .492	**3.5±0.4** .138	84	81	140	265	400
2643167551	1	**32.3 x 6.2** 1.272 x .244	**52.9±1.0** 2.083	**33.0±0.7** 1.299	**63.5±1.8** 2.500	**12.5±0.4** .492	**3.5±0.4** .138	170	150	270	480	370
2643170951*	1	**33.7 x 1.3** 1.327 x .051	**45.1±0.75** 1.775	**34.4±0.7** 1.355	**12.7±0.4** .500	**6.35±0.25** .250	**0.85±0.2** .033	16	25	50	115	240
2643166551	3	**33.7 x 1.2** 1.327 x .047	**45.1±0.75** 1.775	**34.4±0.7** 1.355	**28.6±0.7** 1.125	**12.45±0.4** .490	**1.5±0.3** .060	71	67	115	300	415
2643166651	1	**33.7 x 1.3** 1.327 x .051	**45.1±0.75** 1.775	**34.4±0.7** 1.355	**28.6±0.7** 1.125	**6.35±0.25** .250	**0.85±0.2** .033	36	60	110	290	435
2643168251*	1	**51.0 x 1.3** 2.008 x .051	**63.5±1.3** 2.500	**52.1±1.1** 2.050	**12.7±0.4** .500	**6.35±0.25** .250	**0.85±0.2** .033	22	22	50	125	255
2643163951*	1	**51.0 x 1.3** 2.008 x .051	**63.5±1.3** 2.500	**52.1±1.1** 2.050	**28.6±0.8** 1.125	**6.35±0.25** .250	**0.85±0.2** .033	50	56	100	290	400
2643167751*	1	**64.0 x 1.3** 2.520 x .051	**76.2±1.5** 3.000	**65.3±1.3** 2.570	**12.7±0.4** .500	**6.35±0.25** .250	**0.85±0.2** .033	27	22	45	115	240
2643164051*	1	**64.0 x 1.3** 2.520 x .051	**76.2±1.5** 3.000	**65.3±1.3** 2.570	**28.6±0.8** 1.125	**6.35±0.25** .250	**0.85±0.2** .033	60	48	100	290	420
2643168351*	1	**76.7 x 1.3** 3.020 x .051	**88.9±1.8** 3.500	**78.2±1.5** 3.080	**28.6±0.8** 1.125	**6.5±0.35** .256	**0.95±0.3** .037	70	45	100	280	440

*For assembly clips see page 86.

Click on part number for performance curves.

+ *Test frequency*

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Flat Cable Cores Assembly Clips

Fair-Rite offers several clips to accommodate the assembly of the split flat cable suppression cores.

• Figures 1 and 2 are metal clips, made from 0.5mm (.020") high carbon steel with a zinc electroplate finish.

• Figure 3 clips are a polypropylene material RoHS compliant, with a flammability rating of UL94-V0.

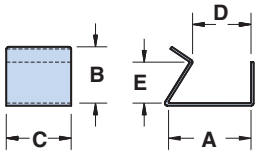

Figure 1

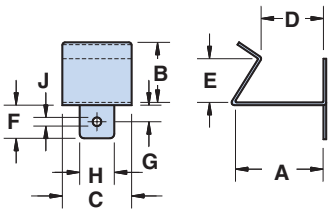

Figure 2

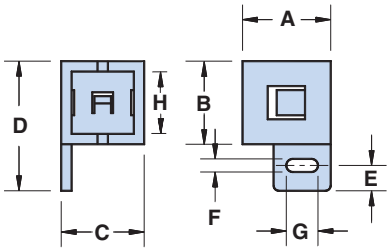

Figure 3

Clips

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number Clip	Fig.	A	B	C	D	E	F	G	H	J
0199001401	1	**16.1** .635	**11.0** .433	**12.7** .500	**11.4** .450	**8.0** .315	–	–	–	–
0199010301	2	**21.2** .835	**11.0** .433	**12.7** .500	**16.5** .650	**8.0** .315	**7.5** .295	**4.0** .157	**6.0** .236	**3.0** .118
0199016051	3	**16.7** .657	**15.9** .626	**15.9** .626	**24.6** .969	**4.4** .171	**3.2** .126	**6.4** .252	**13.1** .516	–
0199016551	3	**16.7** .657	**32.2** 1.27	**15.9** .626	**40.5** 1.59	**4.4** .171	**3.2** .126	**6.4** .252	**29.5** 1.161	–

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Flat Cable Cores Assembly Clips

	0199001401	0199010301	0199016051	0199016551
2631163951	X			X
2631164051	X			
2643163951	X			X
2643164051	X			X
2643166451		X		
2643166651	X			X
2643166851	X			
2643167751	X		X	
2643168251	X		X	
2643168351	X			X
2643170951	X		X	
2643171051	X		X	

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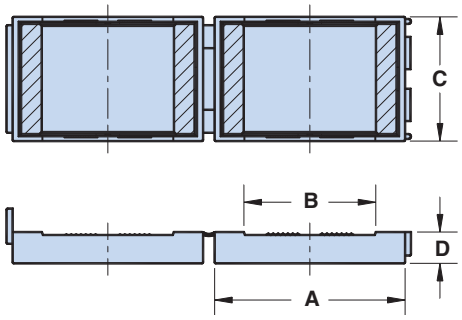
Flat Cable Snap-its

Listed by frequency range in ascending order of cable width.

Flat cable snap-its for use on multi-conductor flat cables to suppress common-mode conducted EMI from 1MHz to hundreds of MHz. These flat cable snap-its are available in two ferrite materials, 31 and 43.

The polypropylene cases are meeting the RoHS restrictions of hazardous substances and have a flammability rating of UL94-V0.

- Flat cable snap-it assemblies are controlled for impedances only. The impedances listed are typical values. Minimum impedance values are specified for the + marked frequencies. The minimum guaranteed impedance is the listed impedance less 20%.
- Single turn impedance tests on the 31 and 43 material parts are performed on the 4193A Vector Impedance Analyzer. **Cores are tested with the shortest practical wire length.**
- Performance curves of all listed flat cable snap-its are compiled on the Fair-Rite Products CD-ROM.
- The "Expanded Cable and Connector EMI Suppressor Kit" (part number 0199000005) contains several flat cable snap-it assemblies. See page 67.
- Explanation of Part Numbers: Digits 1&2 = product class and 3&4 material grade.



Lower & Broadband Frequencies 1-300 MHz (31 material)

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	Max. Cable Dimensions	A	B	C	D	Wt. (g)	Typical Impedance(Ω)					
							1 MHz	5 MHz	10 MHz+	25 MHz+	100 MHz+	250 MHz
0431163951	**51.0 x 1.3** 2.000 x .050	**67.8** 2.670	**52.1** 2.050	**32.3** 1.272	**8.1** .320	110	13	35	54	105	300	425
0431164051	**64.0 x 1.3** 2.520 x .050	**80.8** 3.180	**65.3** 2.570	**32.3** 1.272	**8.1** .320	130	11	34	52	105	310	440

Broadband Frequencies 25-300 MHz (43 material)

Part Number	Max. Cable Dimensions	A	B	C	D	Wt. (g)	Typical Impedance(Ω)			
							10 MHz	25 MHz+	100 MHz+	250 MHz
0443166651	**33.7 X 1.3** 1.325 X .050	**49.5** 1.950	**34.4** 1.350	**32.3** 1.272	**8.1** .320	80	60	110	290	435
0443163951	**51.0 X 1.3** 2.000 X .050	**67.8** 2.670	**52.1** 2.050	**32.3** 1.272	**8.1** .320	110	56	100	290	400
0443164051	**64.0 X 1.3** 2.520 X .050	**80.8** 3.180	**65.3** 2.570	**32.3** 1.272	**8.1** .320	130	48	100	290	420

Click on part number for performance curves.

+ *Test frequency*

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Connector EMI Suppression Plates

To provide suppression of conducted EMI at critical interfaces Fair-Rite has available a line of suppression plates that can be used with many types of connectors. All connector plates are supplied in the NiZn 44 grade ideally suited for this application because of its high impedance along with a high resistivity.

- Connector plates are controlled for impedance only. The impedances listed are typical values. Minimum impedance values are specified for the + marked frequencies. The minimum guaranteed impedance is the listed typical impedance less 20%. Single turn impedance tests are performed on the 4193A Vector Impedance Analyzer.
- Performance curves of all listed connector plates are included on the Fair-Rite Products CD-ROM.
- For any connector EMI suppression plate requirement not listed here, feel free to contact our customer service group for availability and pricing.
- Explanation of Part Numbers: Digits 1&2 = product class and 3&4 = the 44 material grade.

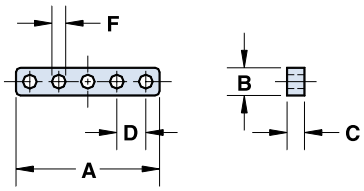

Figure 1

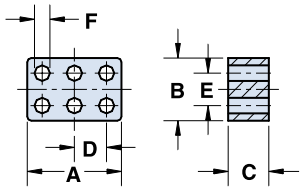

Figure 2

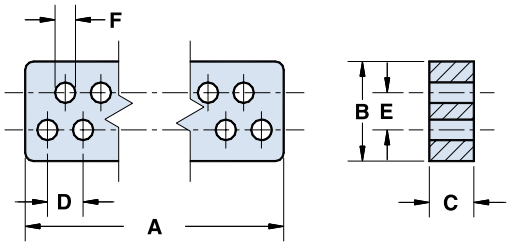

Figure 3

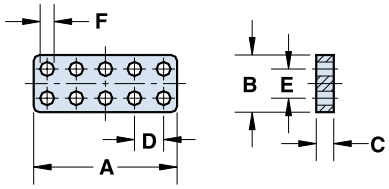

Figure 4

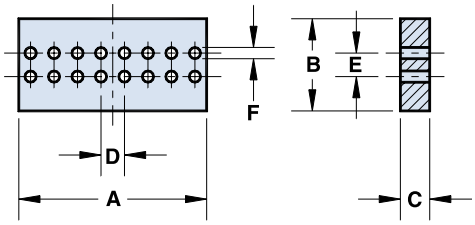

Figure 5

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Connector EMI Suppression Plates

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	Figure	Total Holes	Number of Rows	A	B	C*	D	E	F	Wt (g)	Typical Impedance(Ω)	
											25 MHz+	100 MHz+
2644246701	1	5	1	**12.52±0.13** .493	**2.54 Max.** .100 Max.	**1.52±0.13** .060	**2.54±0.13** .100	—	**1.22±0.07** .048	.18	13	28
2644246201	2	6	2	**5.86±0.10** .231	**3.86±0.10** .152	**1.52±0.13** .060	**2.00±0.08** 079	**2.00±0.08** .079	**0.82+0.1** .034	.14	14	28
2644245701	2	6	2	**7.44±0.10** .293	**4.90±0.10** .193	**1.52±0.13** .060	**2.54±0.13** .100	**2.54±0.10** .100	**1.22±0.07** .048	.22	13	28
2644236101	3	9	2	**14.40±0.15** .567	**7.75 0.25** .300	**3.43±0.13** .135	**2.75±0.13** .108	**2.85±0.13** .112	**1.60±0.08** .062	1.6	30	51
2644236401	3	9	2	**14.40±0.15** .567	**7.75 0.25** .300	**6.86±0.13** .270	**2.75±0.13** .108	**2.85±0.13** .112	**1.60±0.08** .062	3.2	56	91
2644247001	4	10	2	**12.52±0.13** .493	**4.90±0.10** .193	**1.52±0.13** .060	**2.54±0.13** .100	**2.54±0.10** .100	**1.22±0.07** .048	.37	13	28
2644247101	4	10	2	**12.52±0.13** .493	**4.90±0.10** .193	**3.05±0.13** .120	**2.54±0.13** .100	**2.54±0.10** .100	**1.22±0.07** .048	.74	23	40
2644236301	3	15	2	**22.55±0.25** .888	**7.75 0.25** .300	**3.43±0.13** .135	**2.75±0.13** .108	**2.85±0.13** .112	**1.60±0.08** .062	2.4	30	51
2644236501	3	15	2	**22.55±0.25** .888	**7.75 0.25** .300	**6.86±0.13** .270	**2.75±0.13** .108	**2.85±0.13** .112	**1.60±0.08** .062	4.9	56	91
2644373941	5	16	2	**21.60±0.25** .850	**11.65 0.40** .451	**1.52±0.13** .060	**2.54±0.13** .100	**7.62±0.15** .300	**1.00+0.15** .042	2.9	19	36
2644373841	5	16	2	**20.30±0.25** .800	**10.15 0.40** .392	**3.18±0.13** .125	**2.54±0.13** .100	**2.54±0.10** .100	**1.22±0.07** .048	2.8	30	51
2644236001	3	25	2	**36.3±0.4** 1.430	**7.75 0.25** .300	**3.43±0.13** .135	**2.75±0.13** .108	**2.85±0.13** .112	**1.60±0.08** .062	3.6	30	51
2644236601	3	25	2	**36.3±0.4** 1.430	**7.75 0.25** .300	**6.86±0.13** .270	**2.75±0.13** .108	**2.85±0.13** .112	**1.60±0.08** .062	7.2	56	91

** This dimension may be modified to suit specific applications.*

+Test Frequency

Click on part number for performance curves.

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Miscellaneous Suppression Cores

Fair-Rite has tooled several special core geometries in the 43 & 77 material for suppression of conducted EMI.

- These suppression cores are controlled for impedance only. The impedances listed are typical values. Single turn tests are performed on the 4193A Vector Impedance Analyzer **with the shortest practical wire length**.
- Performance curves on these miscellaneous cores are included on the Fair-Rite Products CD-ROM.
- For any non-catalog suppression core design feel free to contact our customer service or application group for feasibility and availability.
- Explanation of Part Numbers: Digits 1&2 = product class and 3&4 = the material grade.

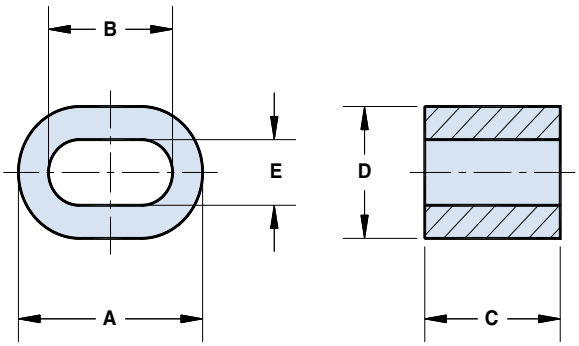

Figure 1

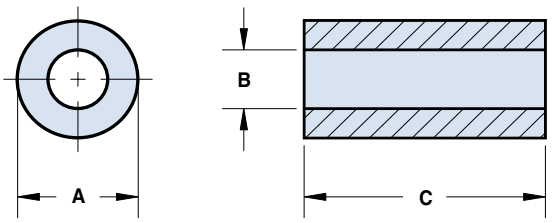

Figure 2

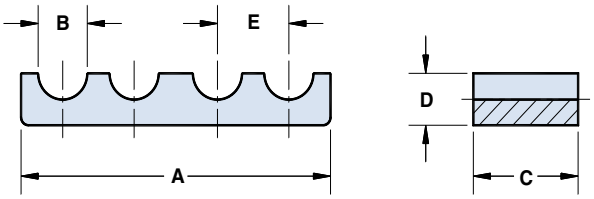

Figure 3

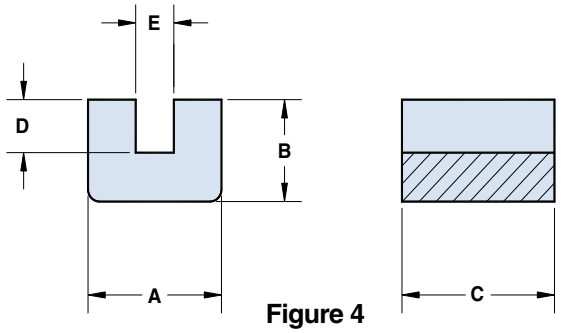

Figure 4

Dimensions (**Bold numbers are in millimeters**, light numbers are nominal in inches.)

Part Number	Fig.	A	B	C*	D	E	Typical Impedance (Ω)				
							1 MHz	10 MHz	25 MHz	100 MHz	250 MHz
2643167851	1	**38.85±0.75** 1.530	**26.15±0.75** 1.030	**28.6±0.7** 1.125	**26.0±0.6** 1.025	**12.95±0.25** .510	---	60	94	169	250
2643165151	3	**82.6±1.6** 3.250	**13.1±0.3** .516	**28.0±0.7** 1.100	**12.95±0.25** .510	**19.05±0.4** .750	---	100	163	280	340
2643175451	4	**17.8±0.4** .700	**12.7±0.5** .500	**20.32±0.5** .800	**6.6±0.25** .260	**5.08±0.25** .200	---	75	119	180	270
2677006302	2	**9.5±0.25** .375	**4.75+0.3** .193	**10.4±0.25** .410	---	---	25	48	33	---	---
2677102402	2	**25.9±0.75** 1.020	**12.8±0.25** .505	**21.3±0.5** .840	---	---	52	28	24	---	---

**This dimension may be modified to suit specific applications.*

Click on part number for performance curves.

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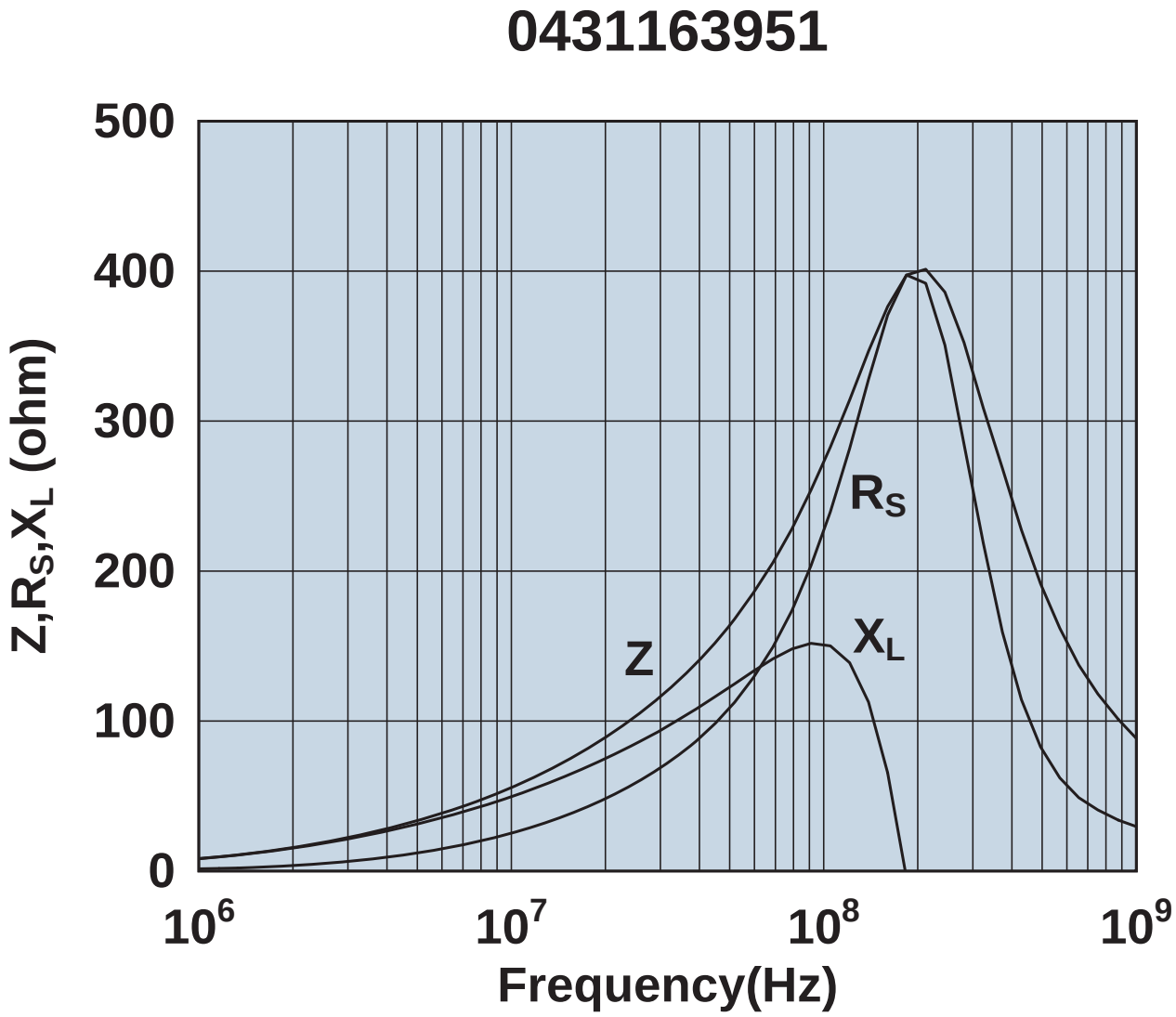
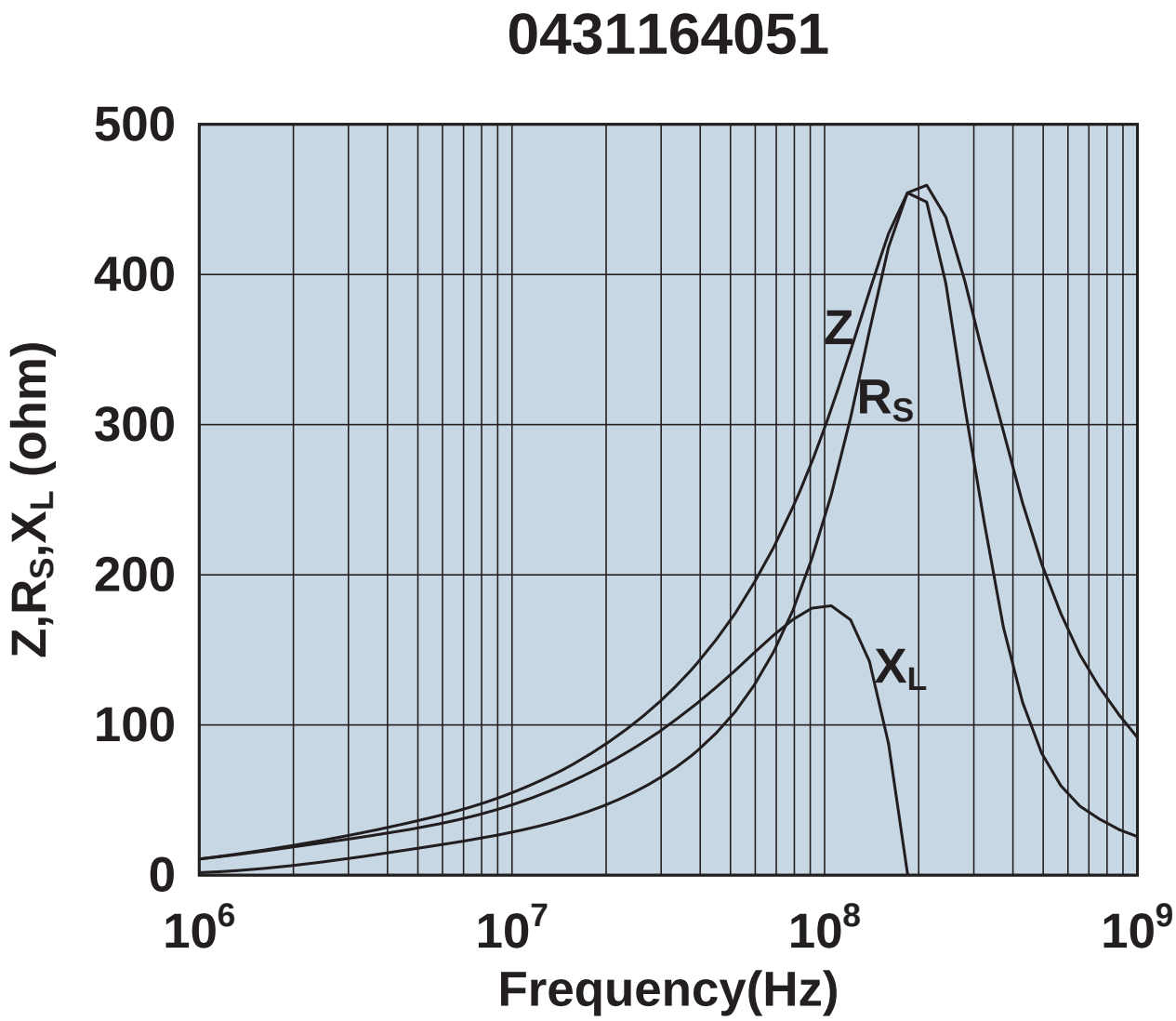


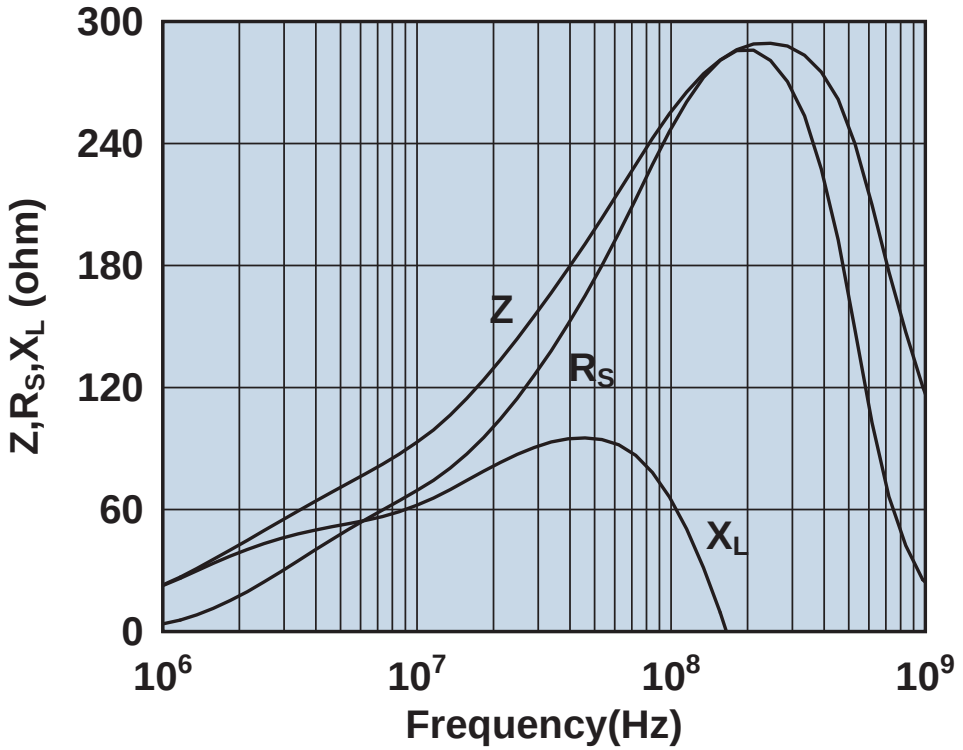
Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

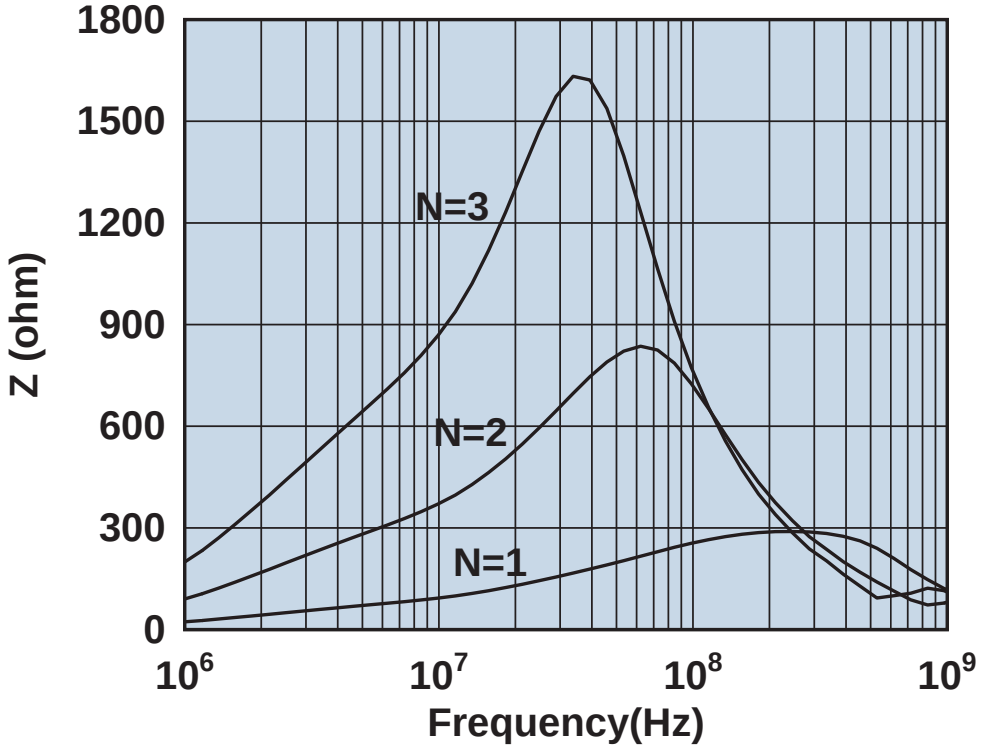


Impedance, reactance, and resistance vs. frequency.

0431164181

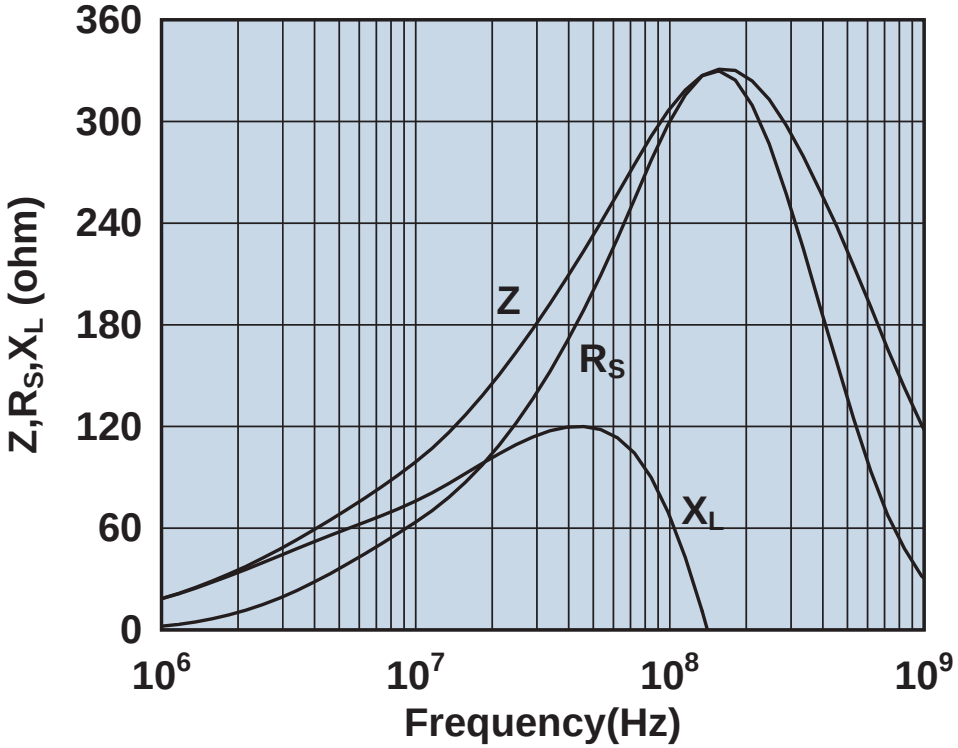


Impedance, reactance, and resistance vs. frequency.

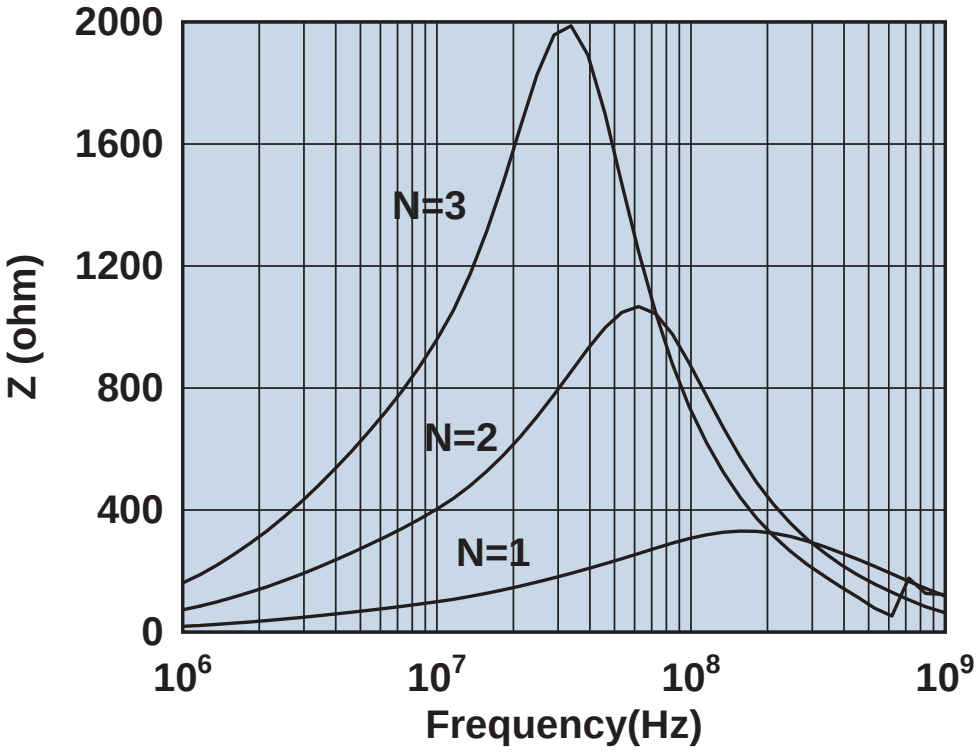


Impedance vs. frequency with one, two, and three turns.

0431164281

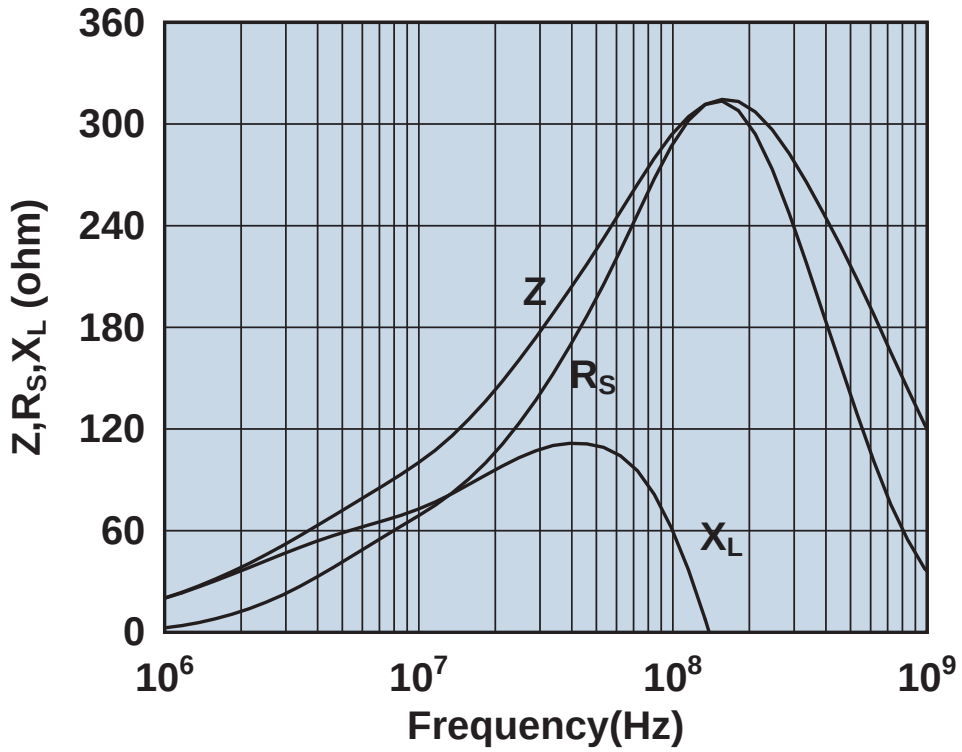


Impedance, reactance, and resistance vs. frequency.

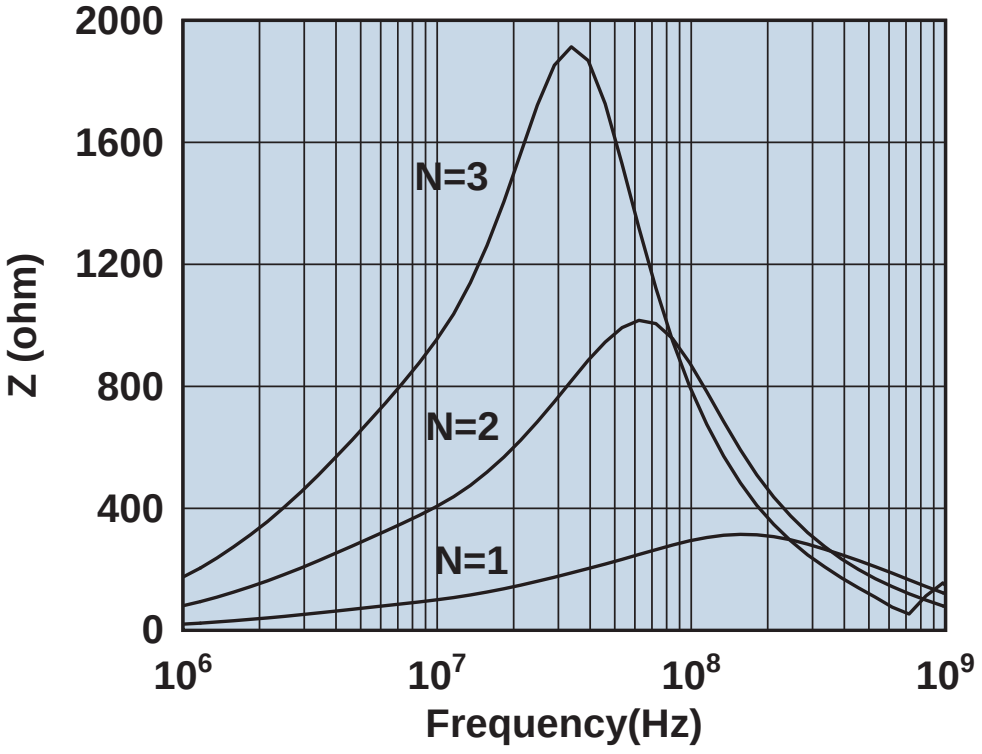


Impedance vs. frequency with one, two, and three turns.

0431164951

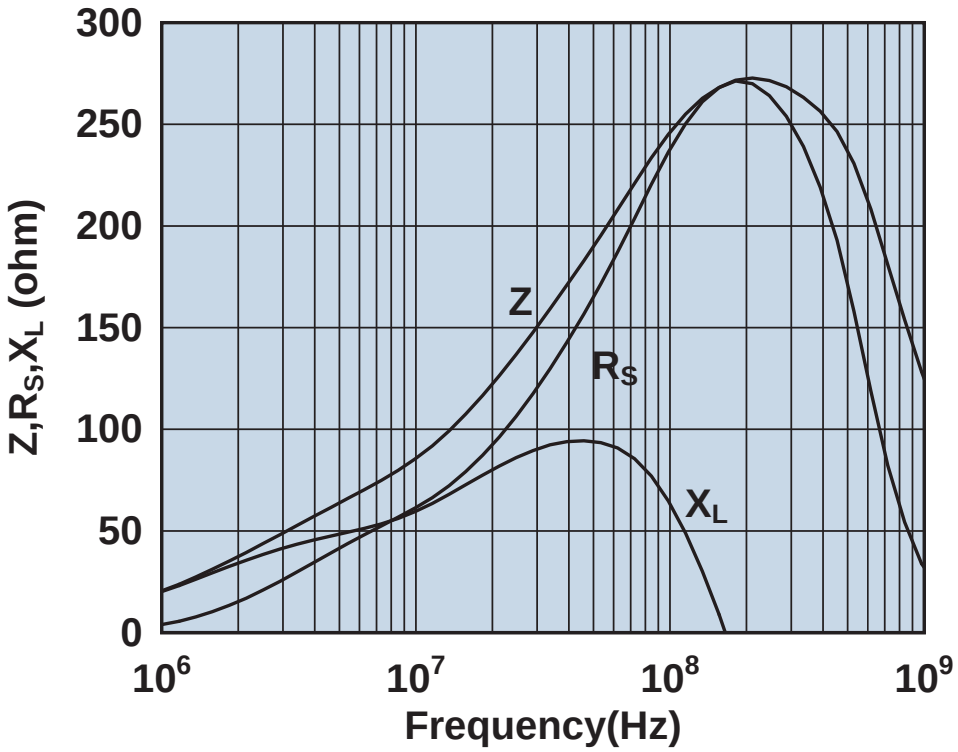


Impedance, reactance, and resistance vs. frequency.

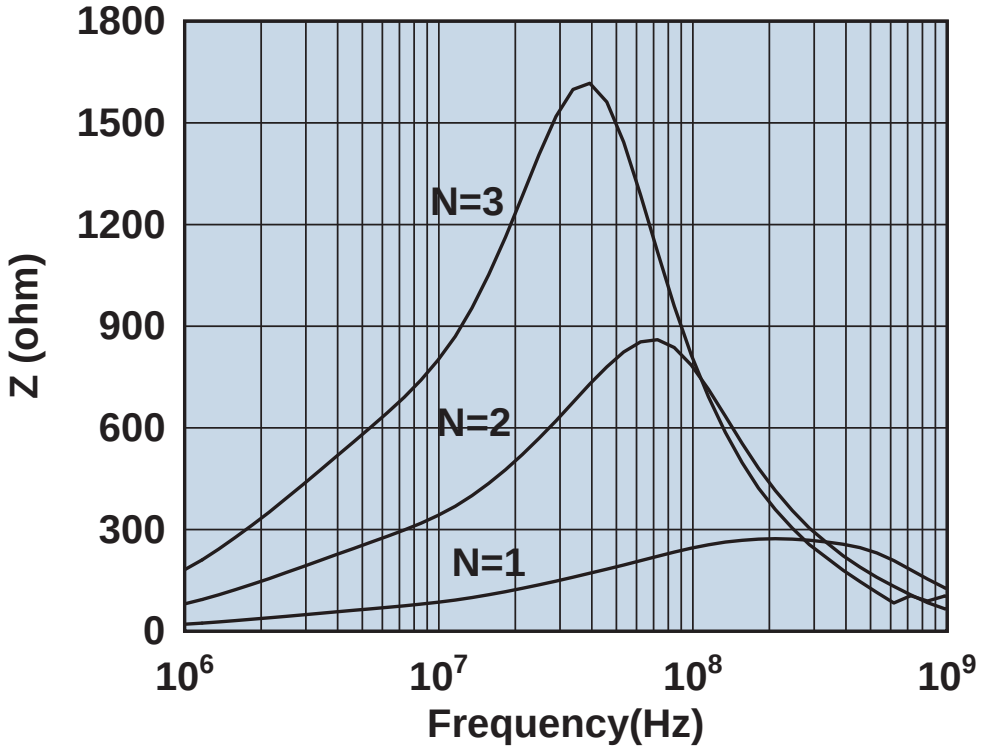


Impedance vs. frequency with one, two, and three turns.

0431167281

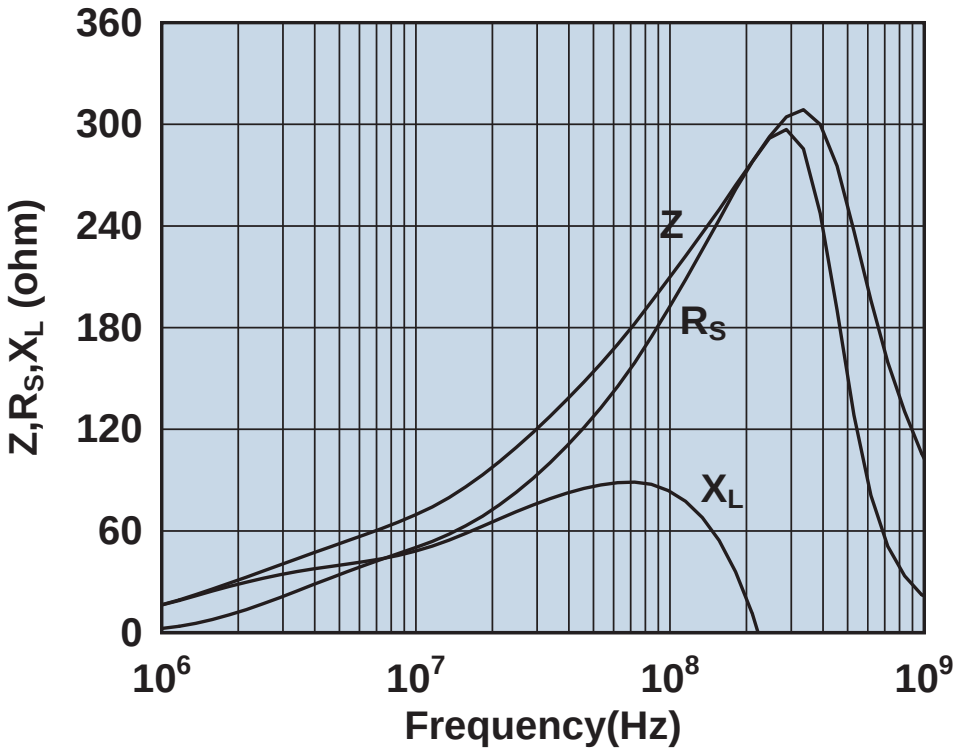


Impedance, reactance, and resistance vs. frequency.

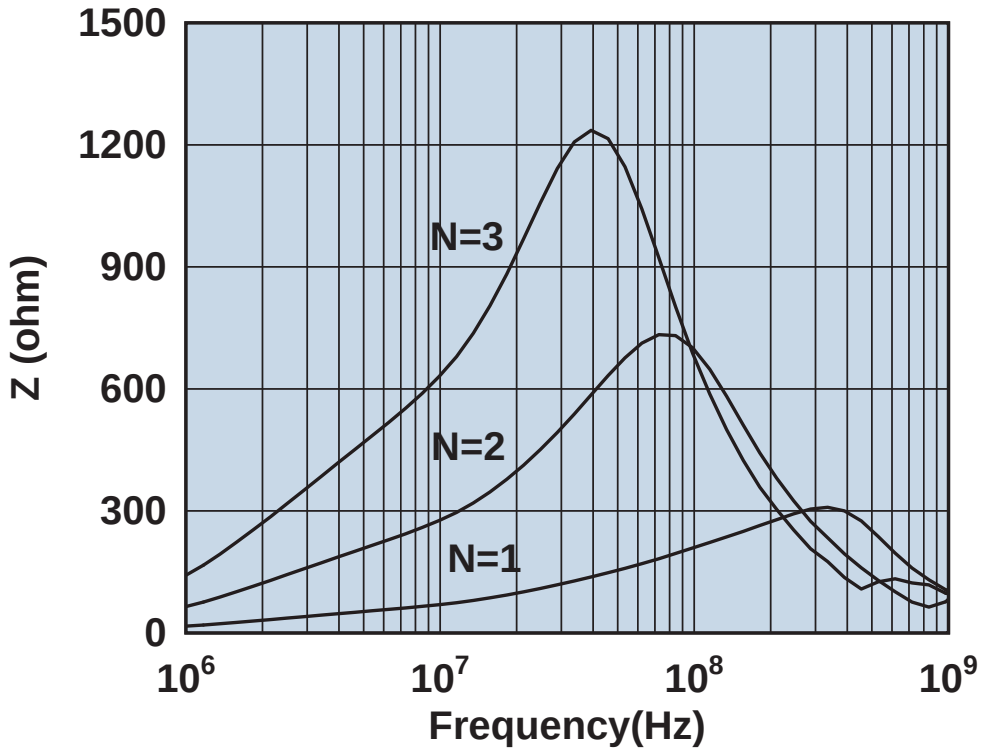


Impedance vs. frequency with one, two, and three turns.

0431173551

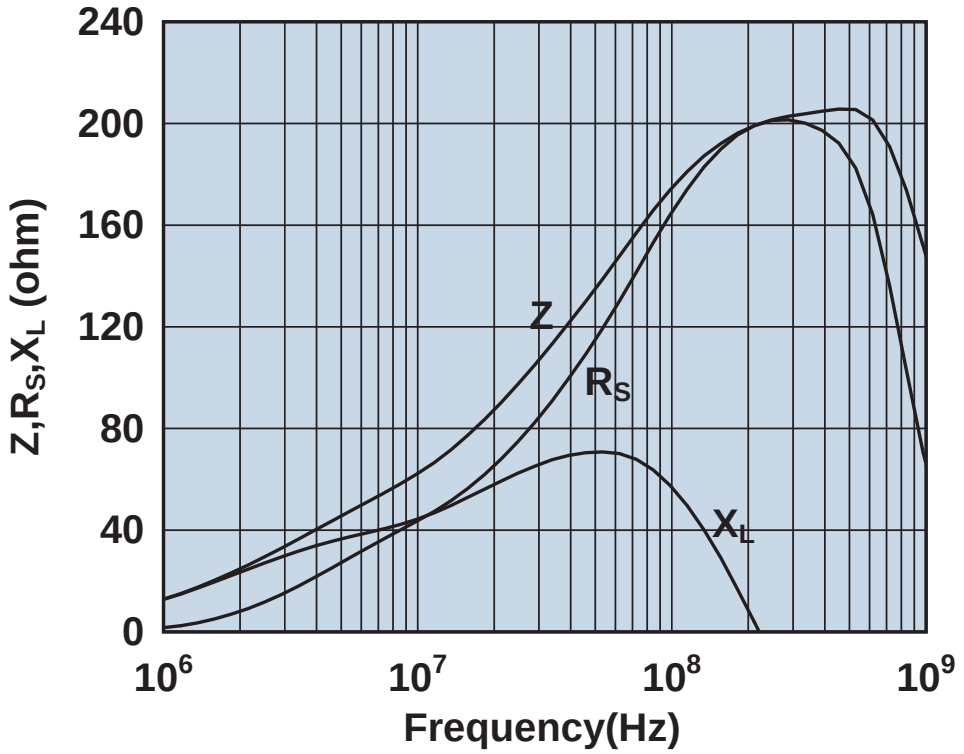


Impedance, reactance, and resistance vs. frequency.

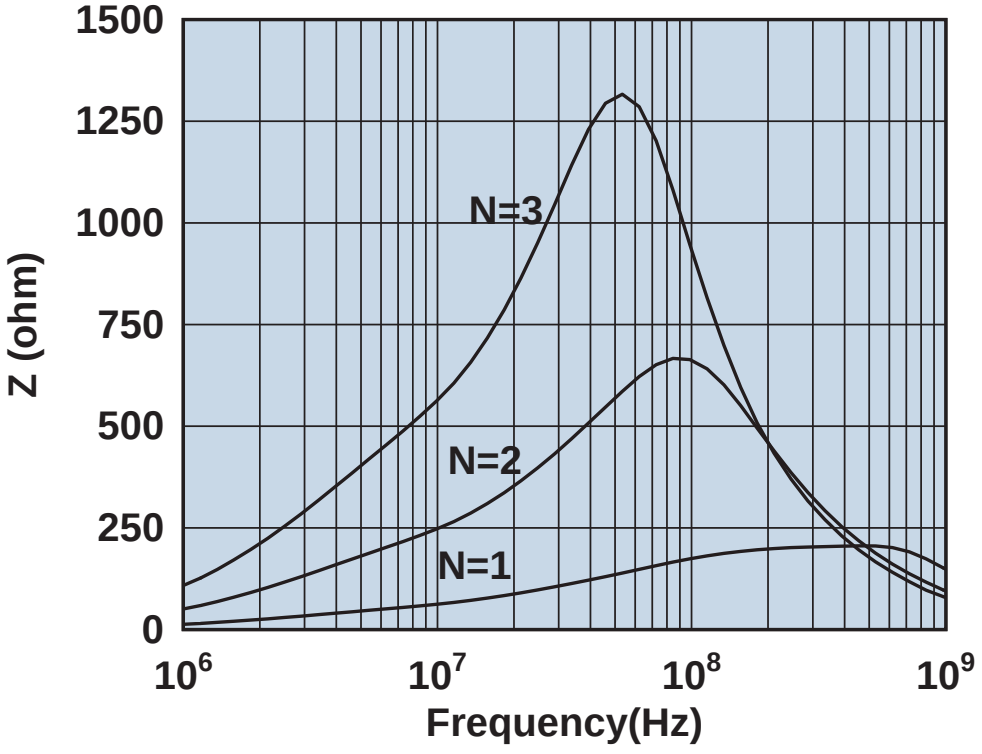


Impedance vs. frequency with one, two, and three turns.

0431173951

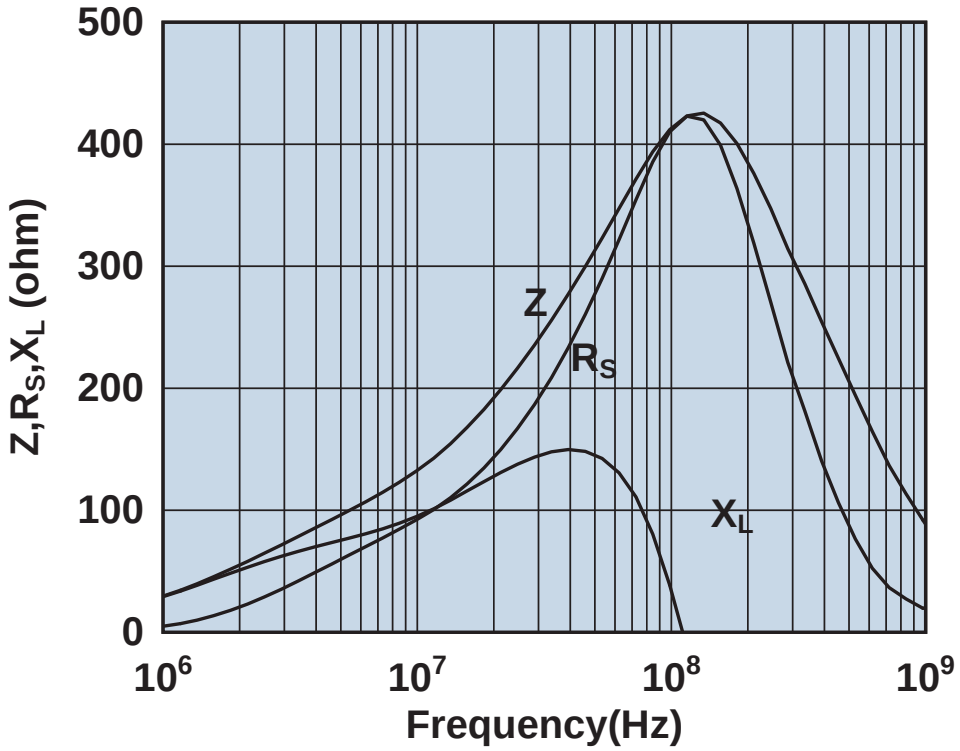


Impedance, reactance, and resistance vs. frequency.

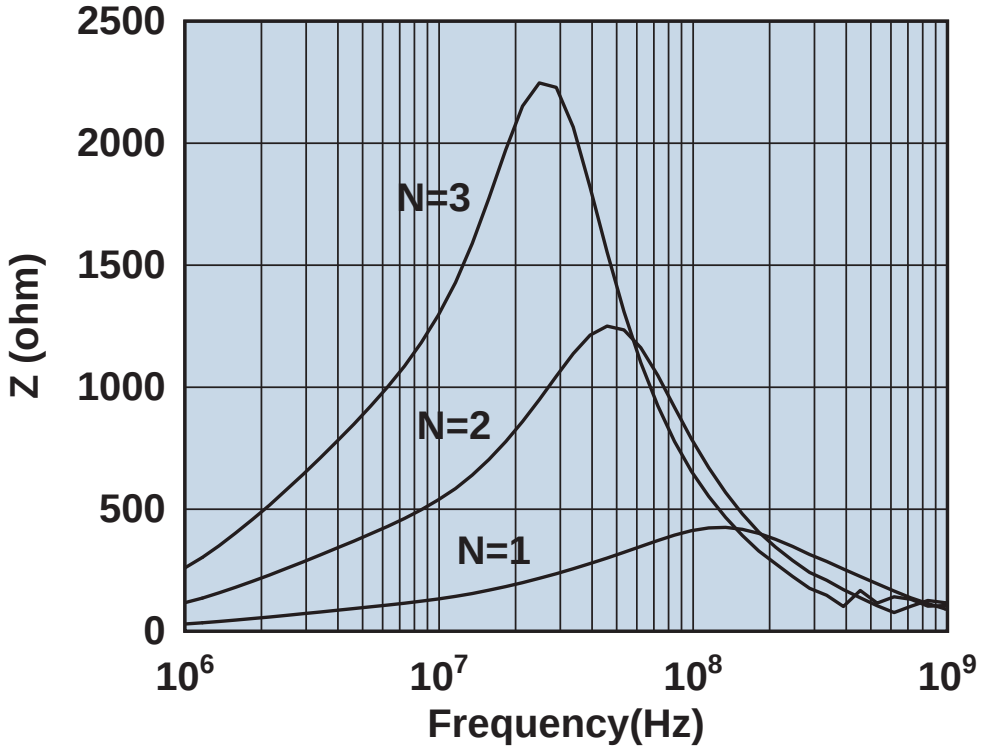


Impedance vs. frequency with one, two, and three turns.

0431176451

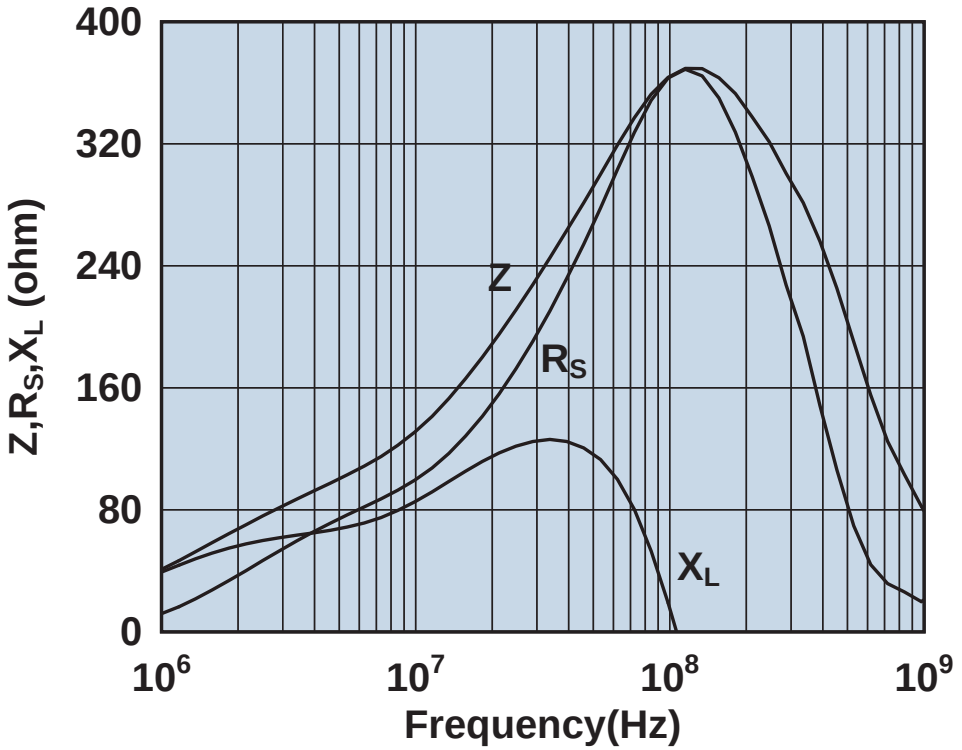


Impedance, reactance, and resistance vs. frequency.

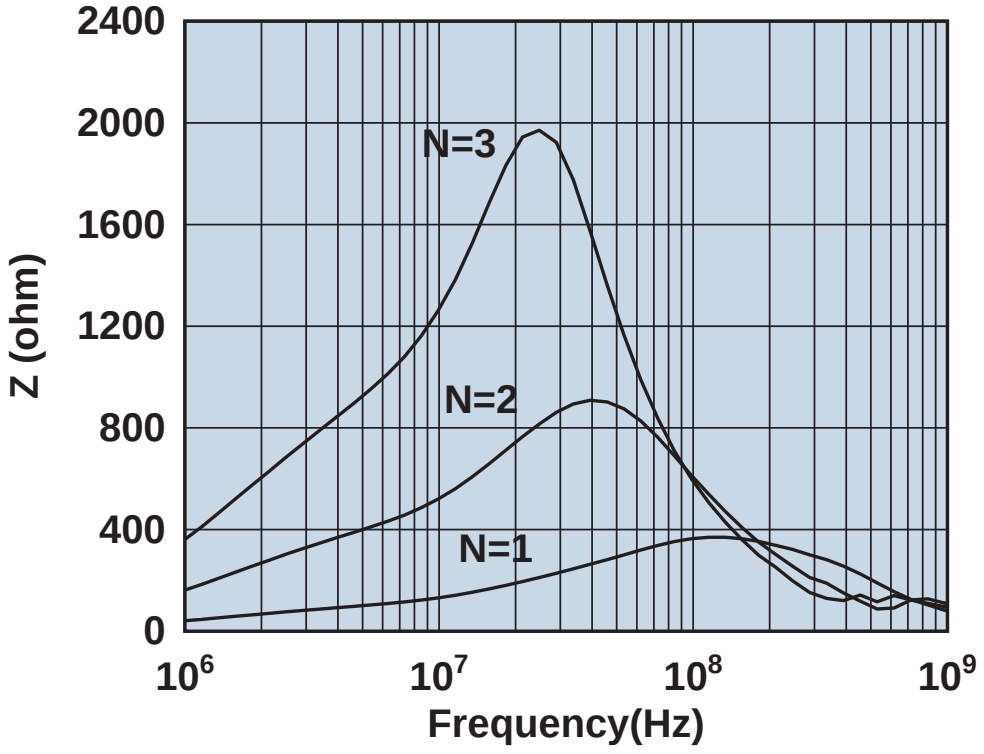


Impedance vs. frequency with one, two, and three turns.

0431177081

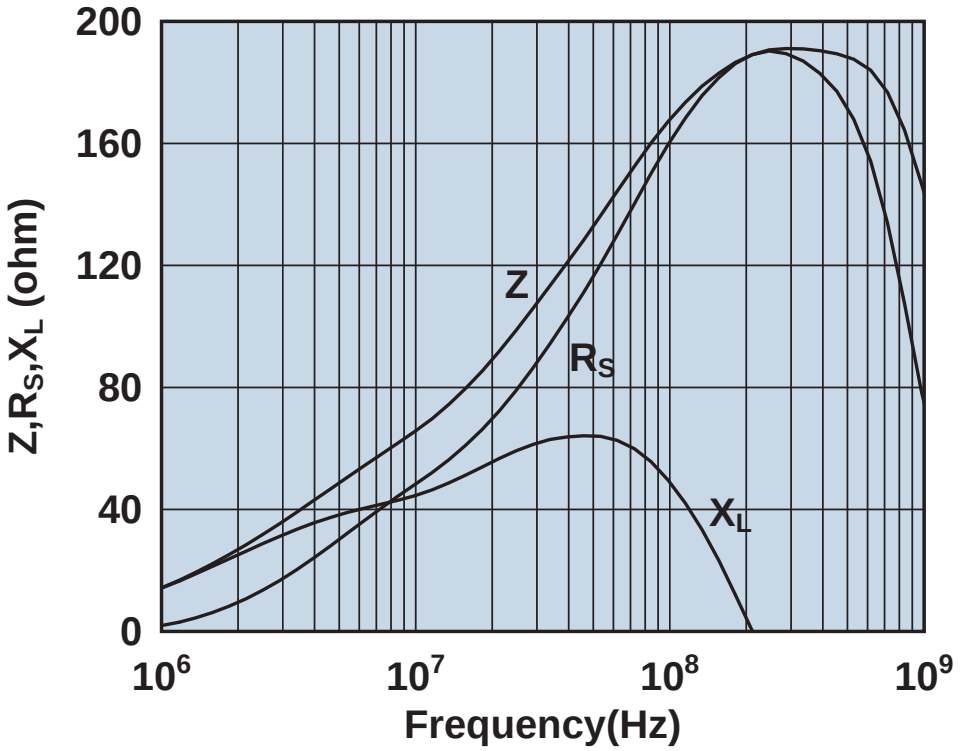


Impedance, reactance, and resistance vs. frequency.

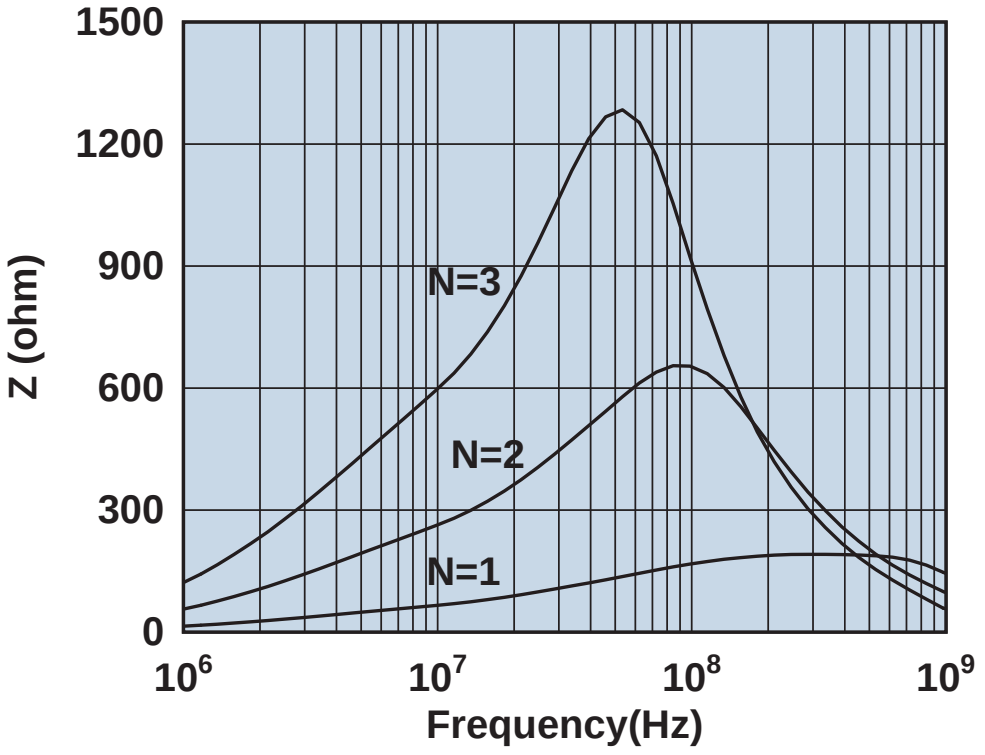


Impedance vs. frequency with one, two, and three turns.

0431178181

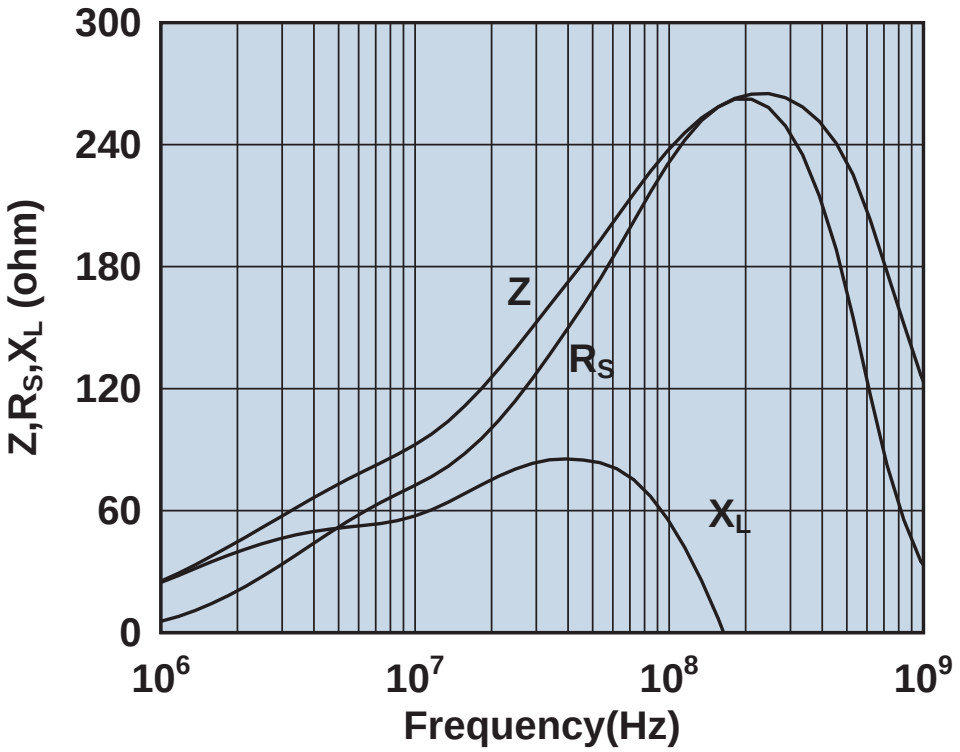


Impedance, reactance, and resistance vs. frequency.

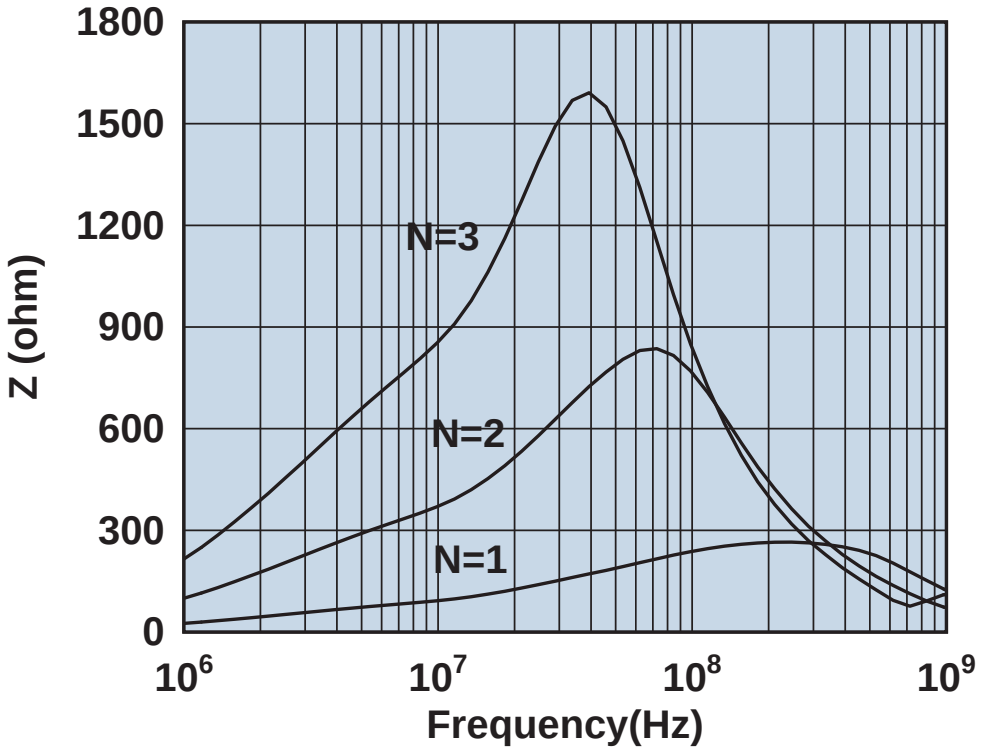


Impedance vs. frequency with one, two, and three turns.

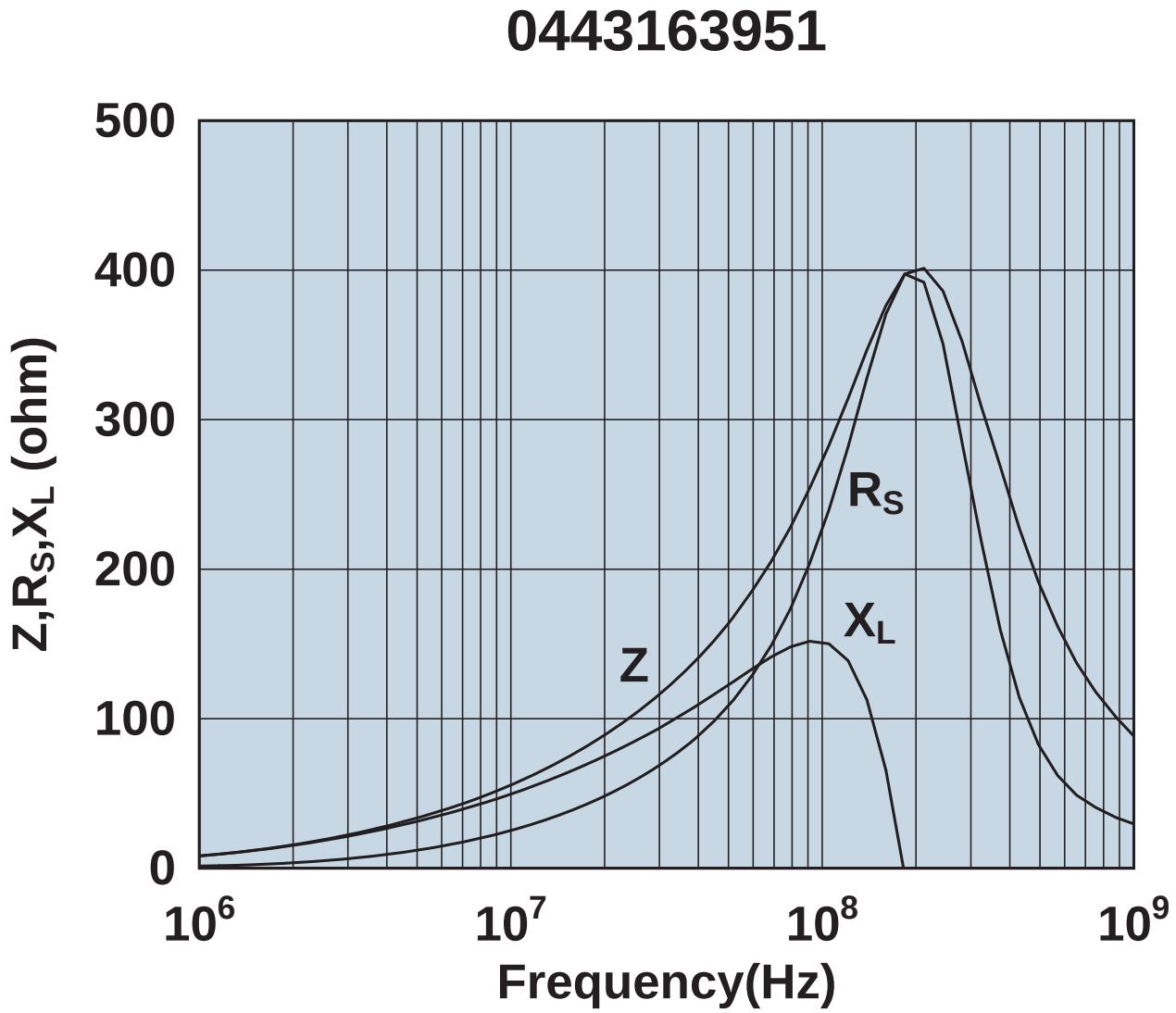
0431178281



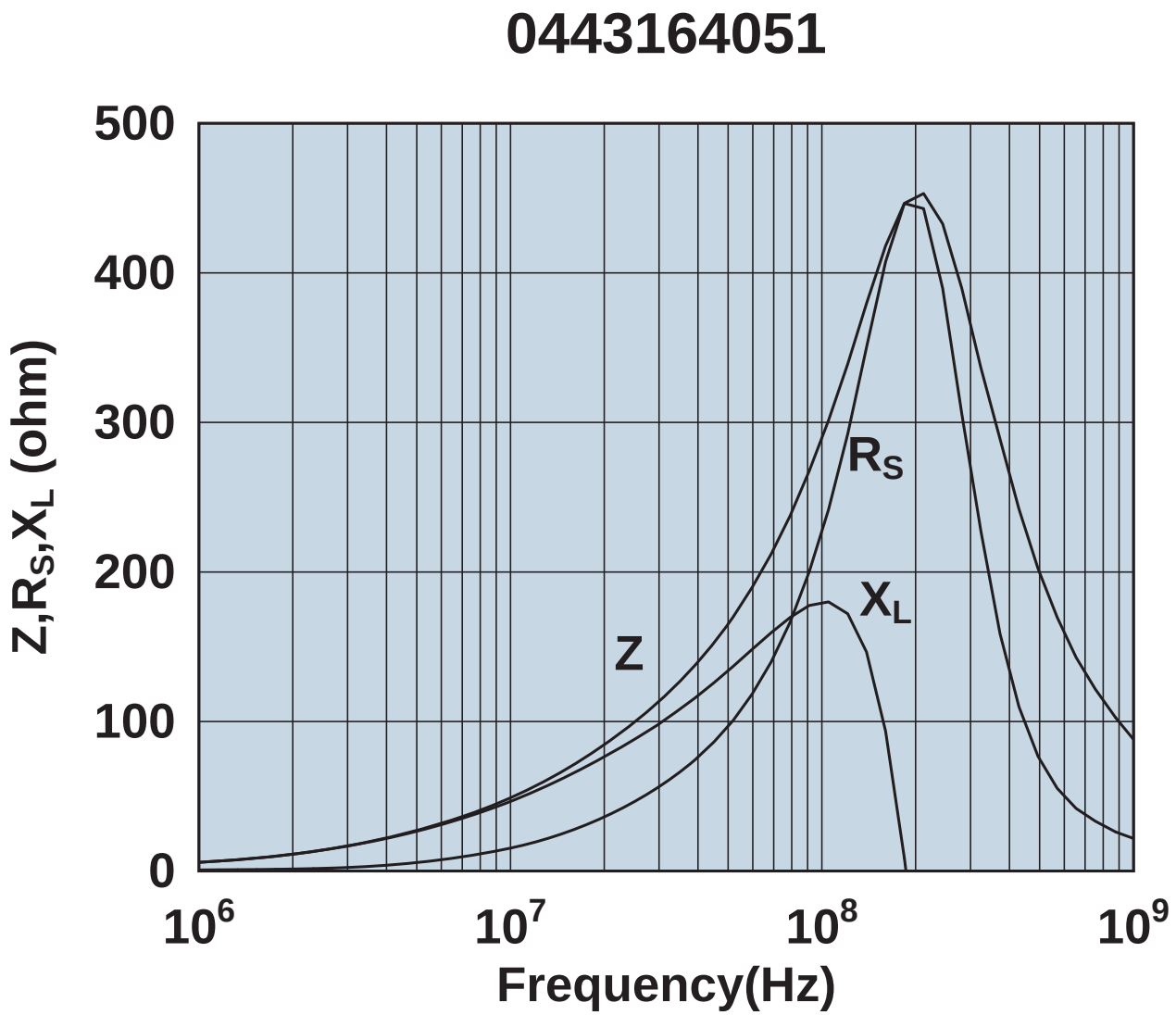
Impedance, reactance, and resistance vs. frequency.



Impedance vs. frequency with one, two, and three turns.

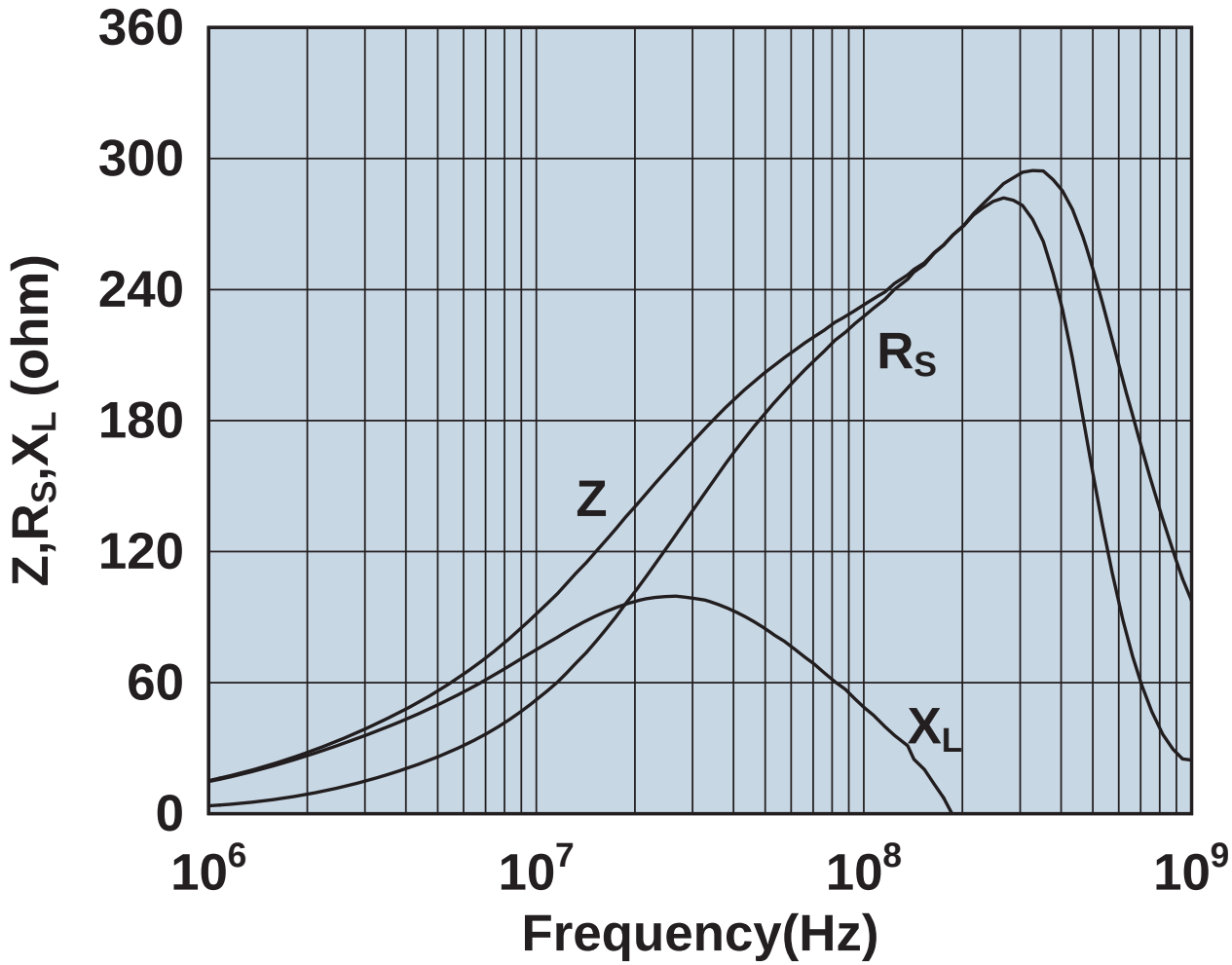


Impedance, reactance, and resistance vs. frequency.

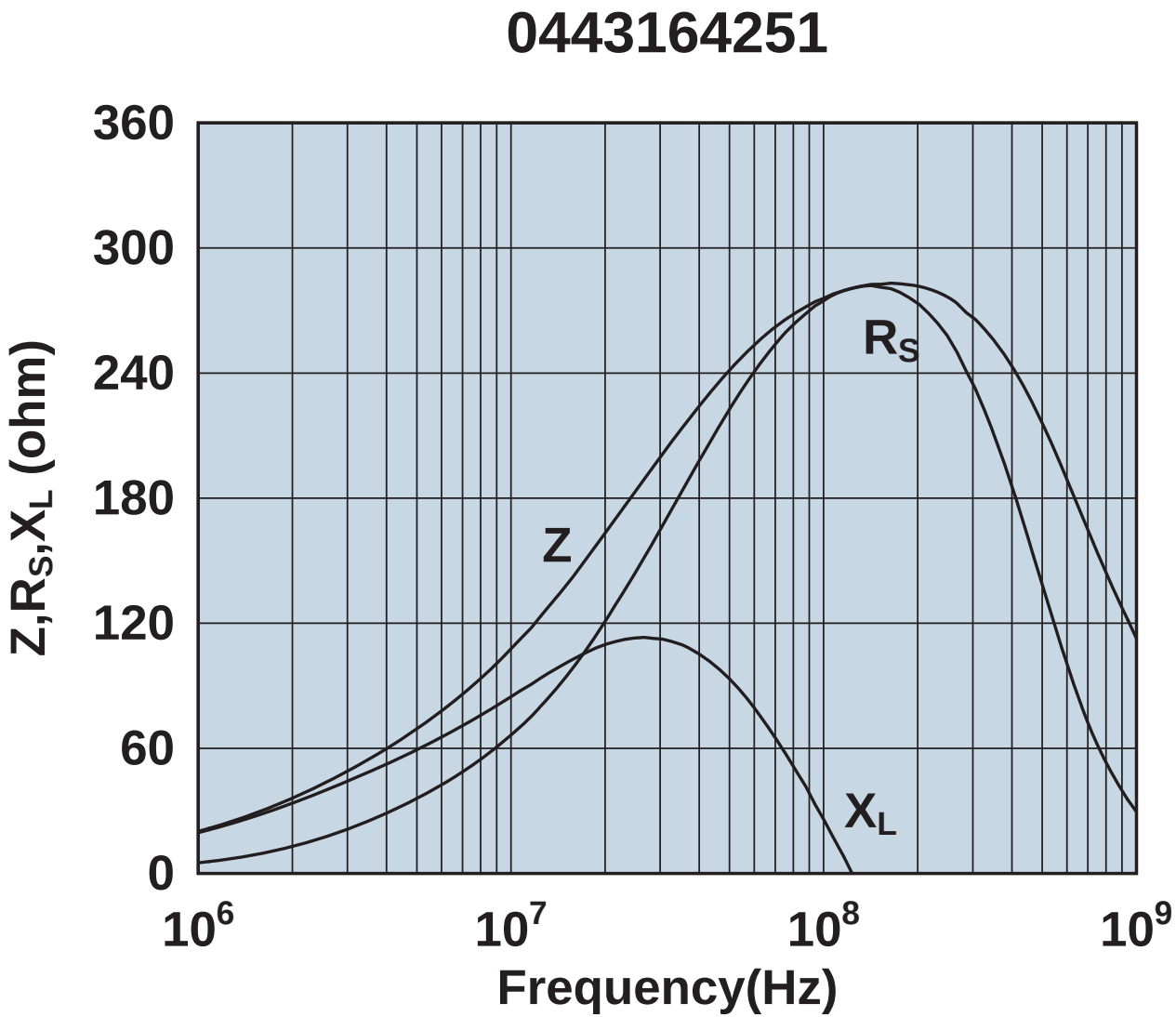


Impedance, reactance, and resistance vs. frequency.

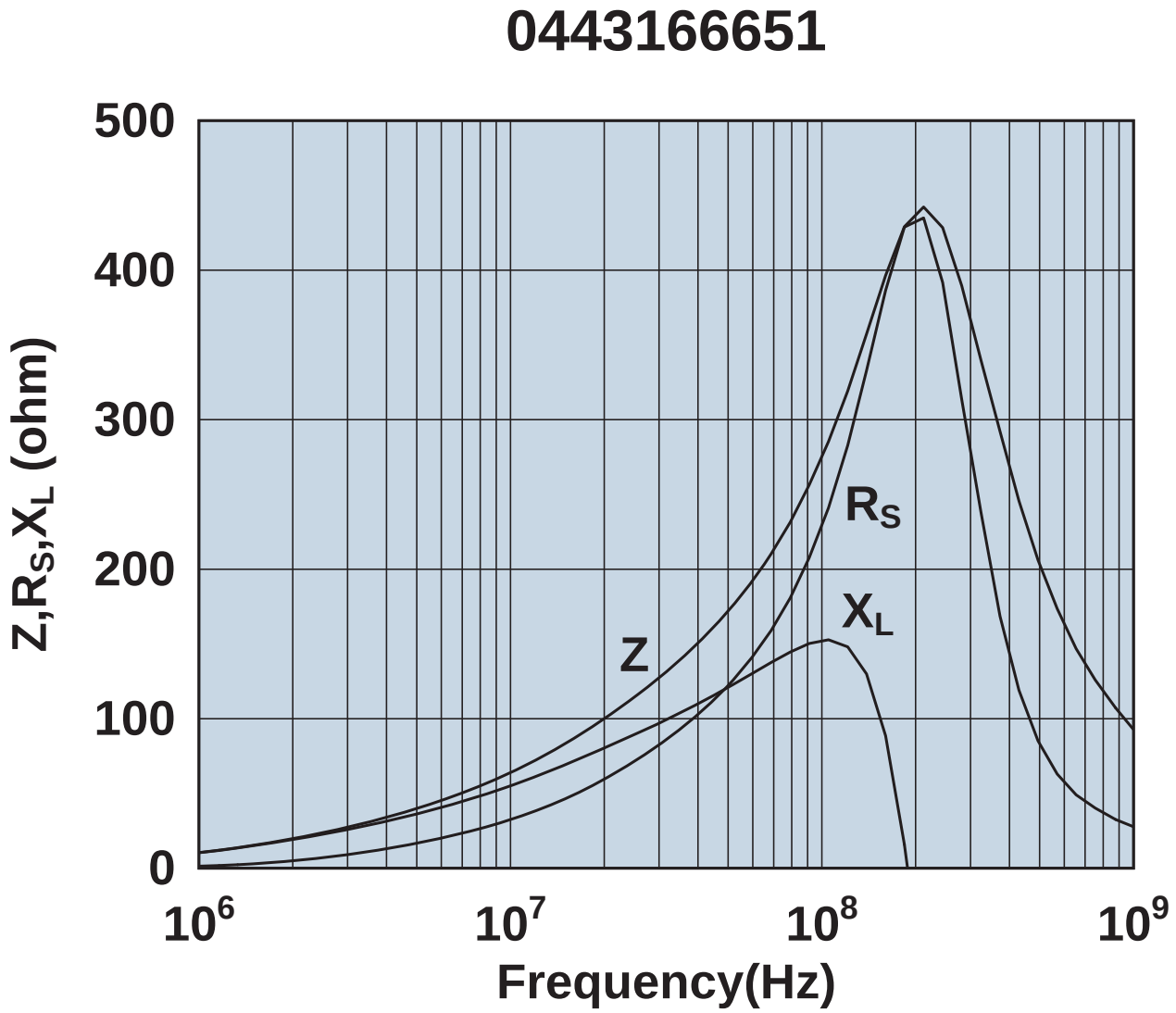
0443164151



Impedance, reactance, and resistance vs. frequency.



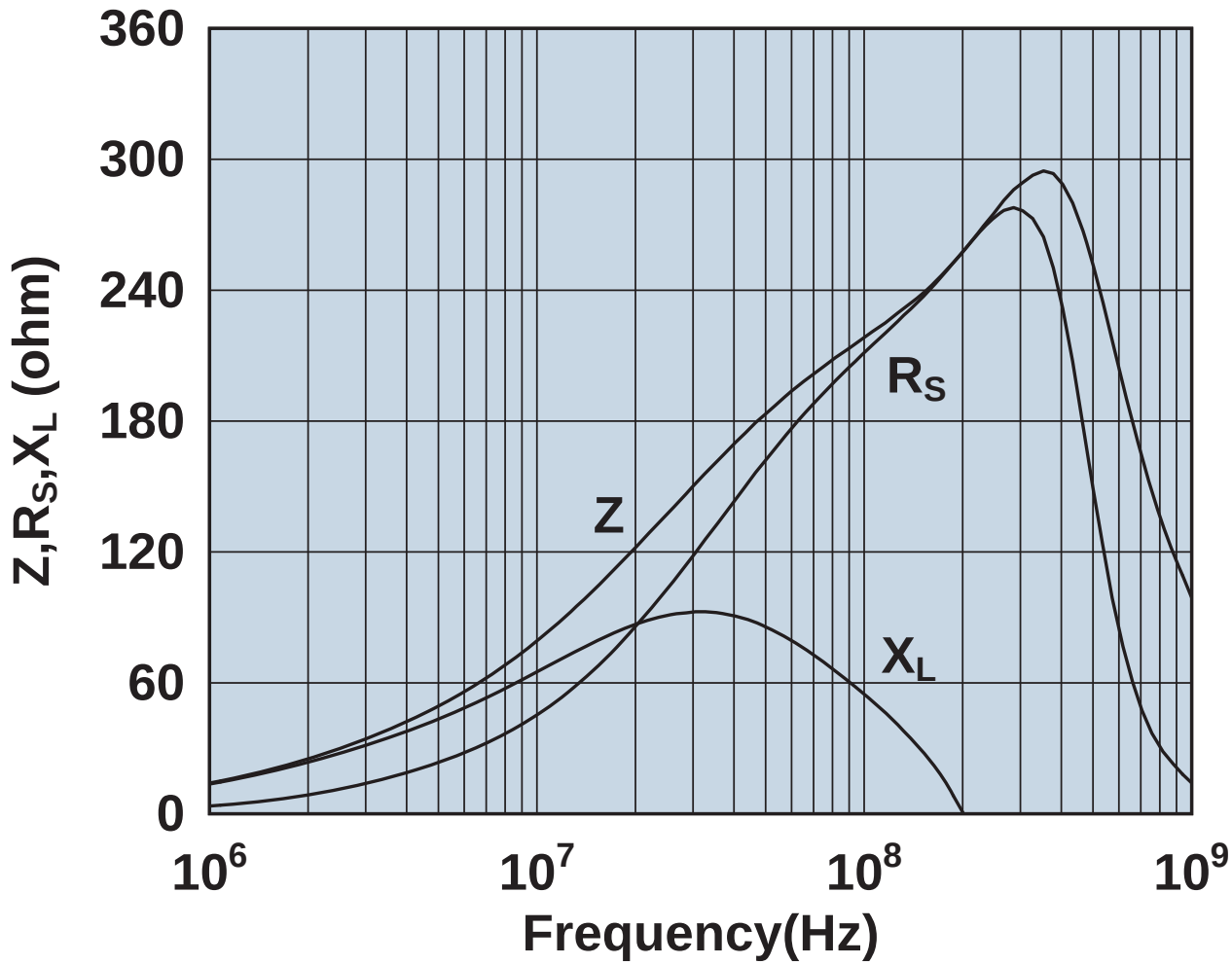
Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

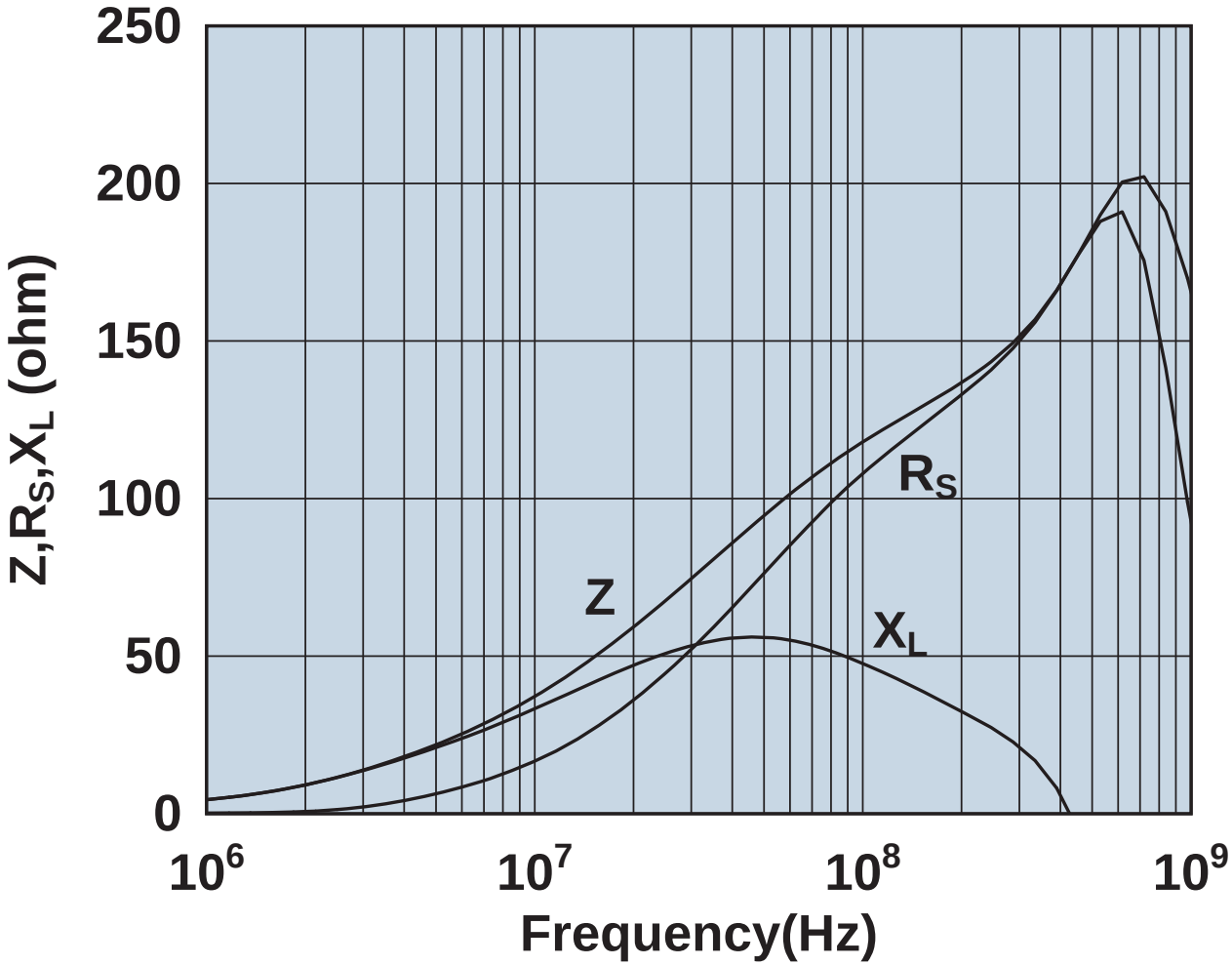
0443167251



Impedance, reactance, and resistance vs. frequency.

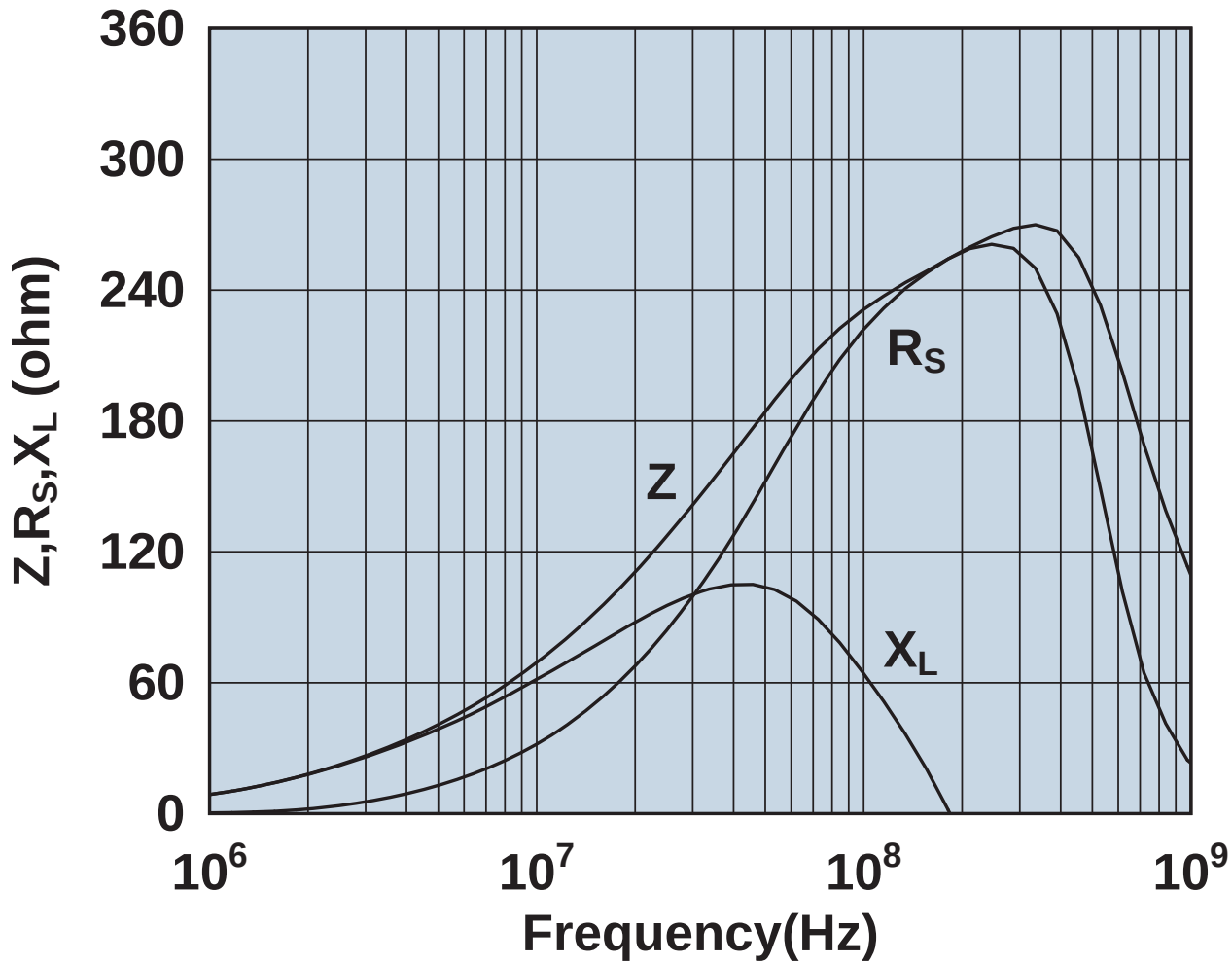
Click on part number to return to catalog.

0443178181



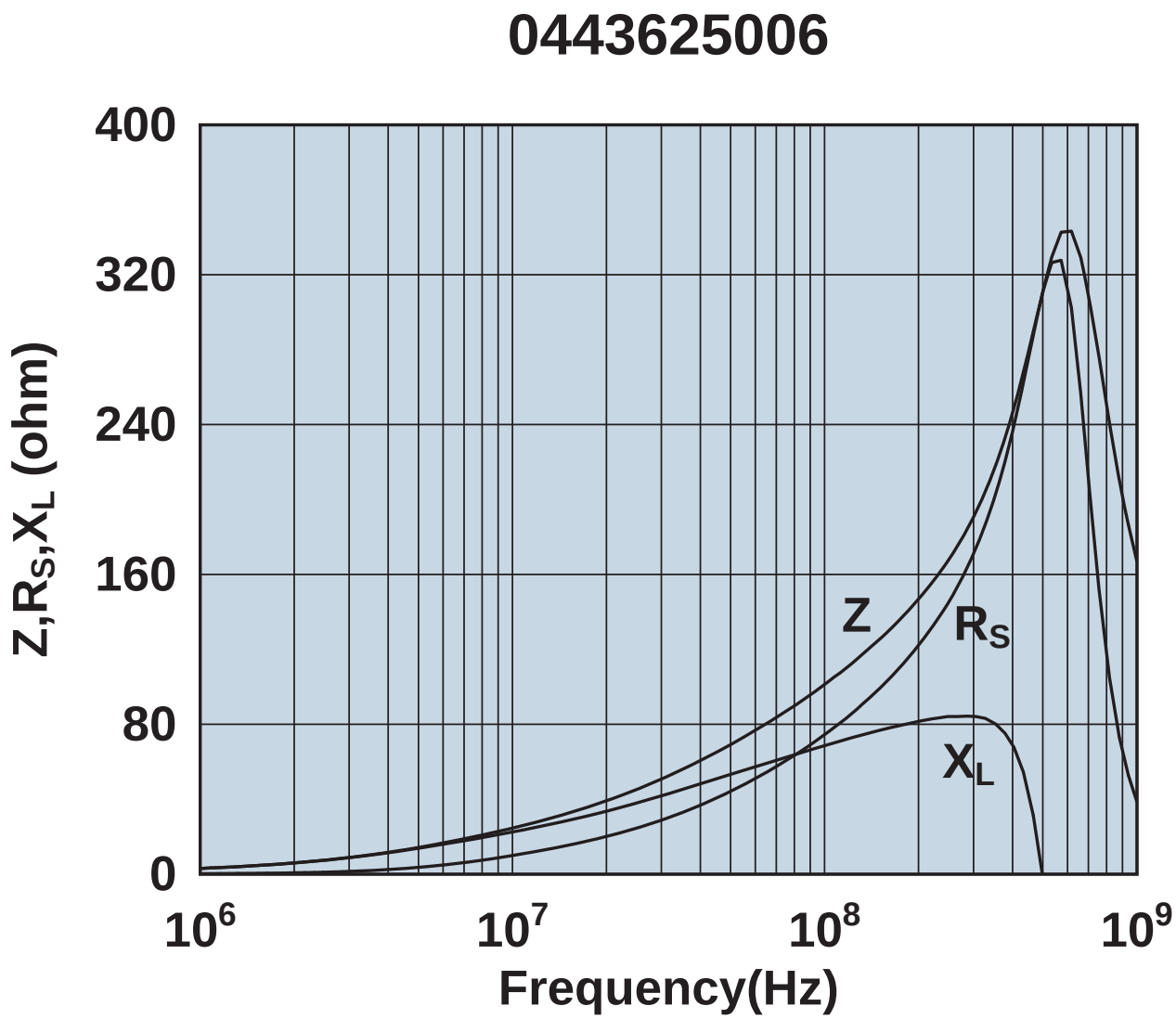
Impedance, reactance, and resistance vs. frequency.

0443178281

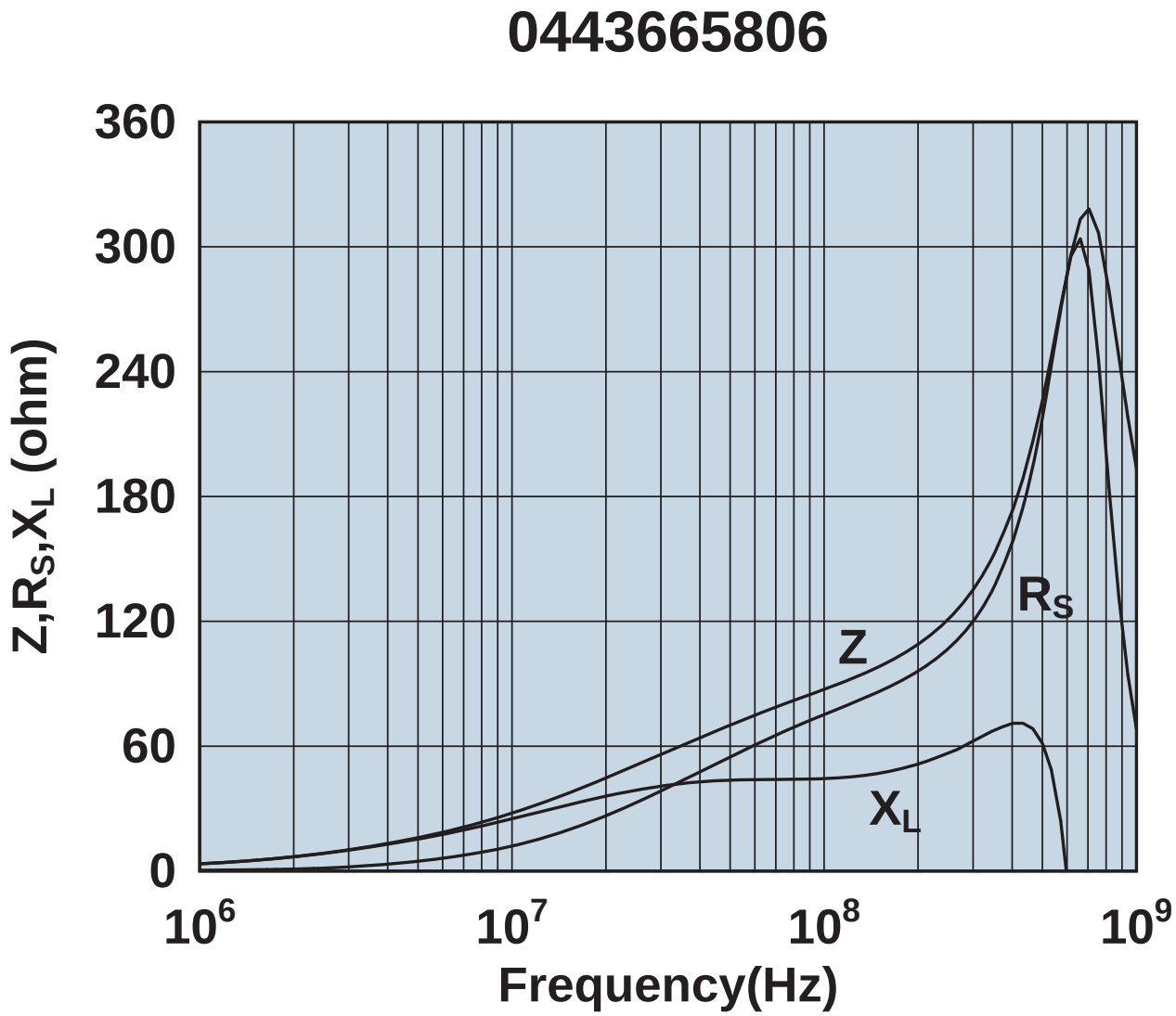


Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

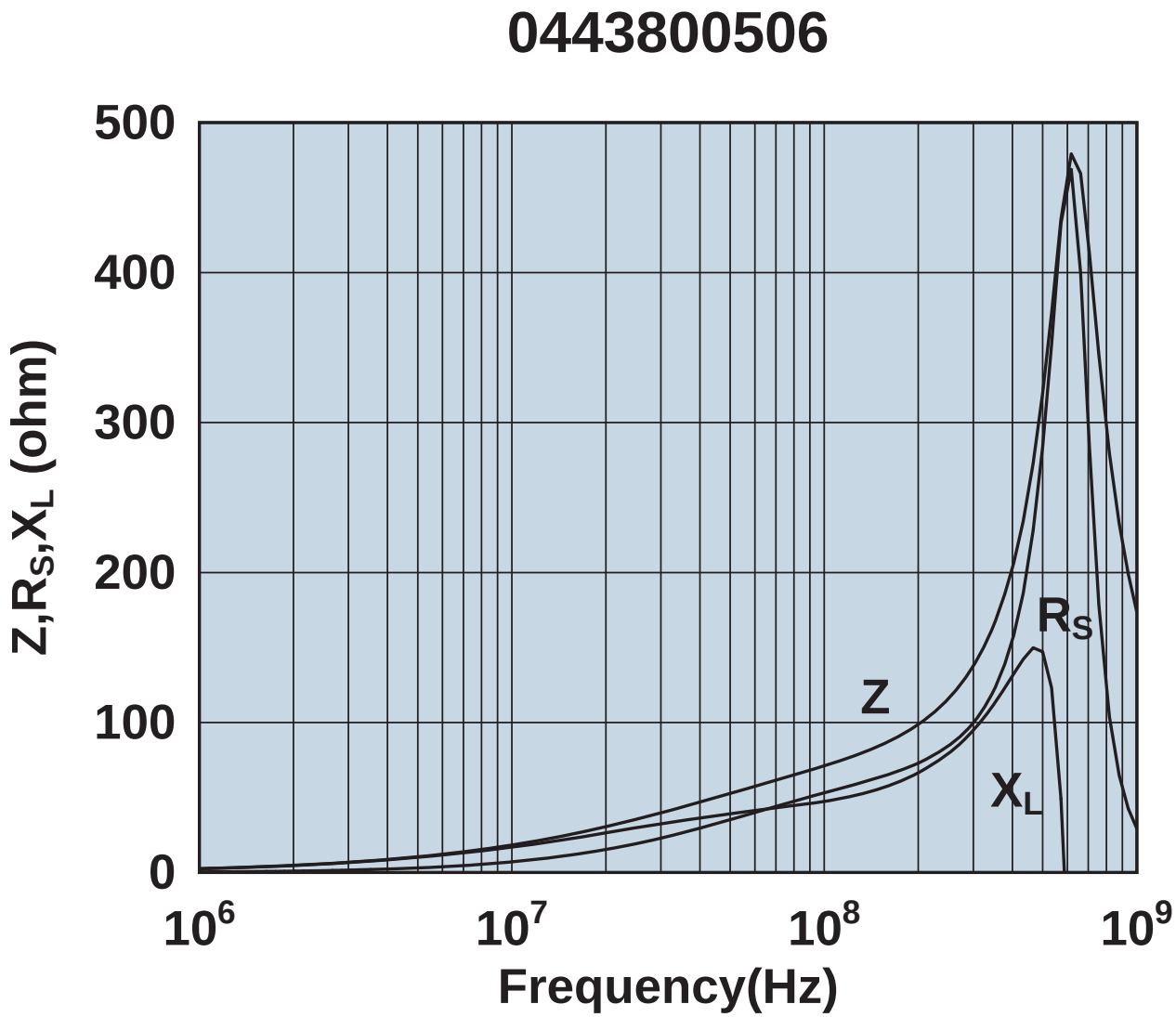


Impedance, reactance, and resistance vs. frequency.



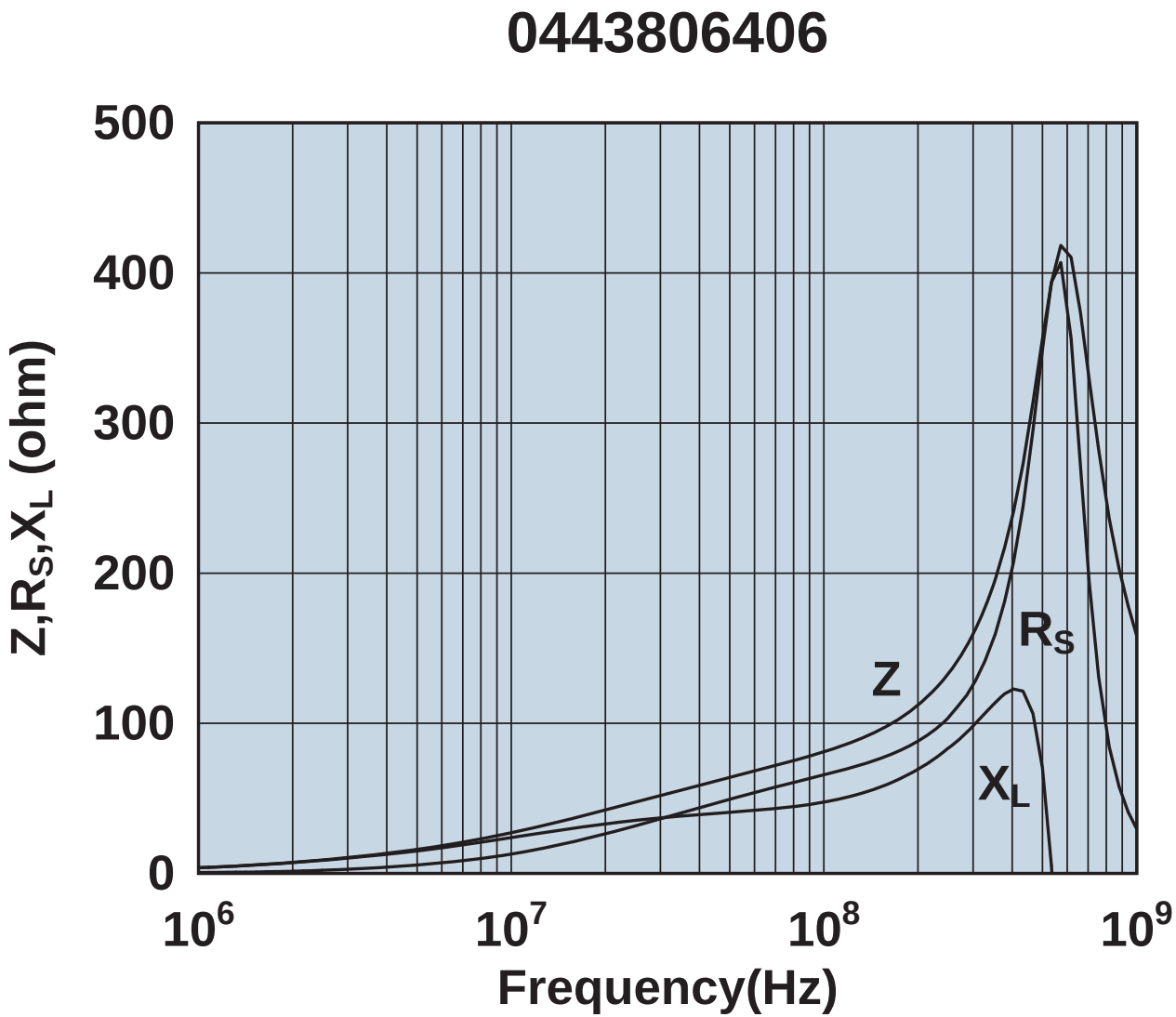
Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.



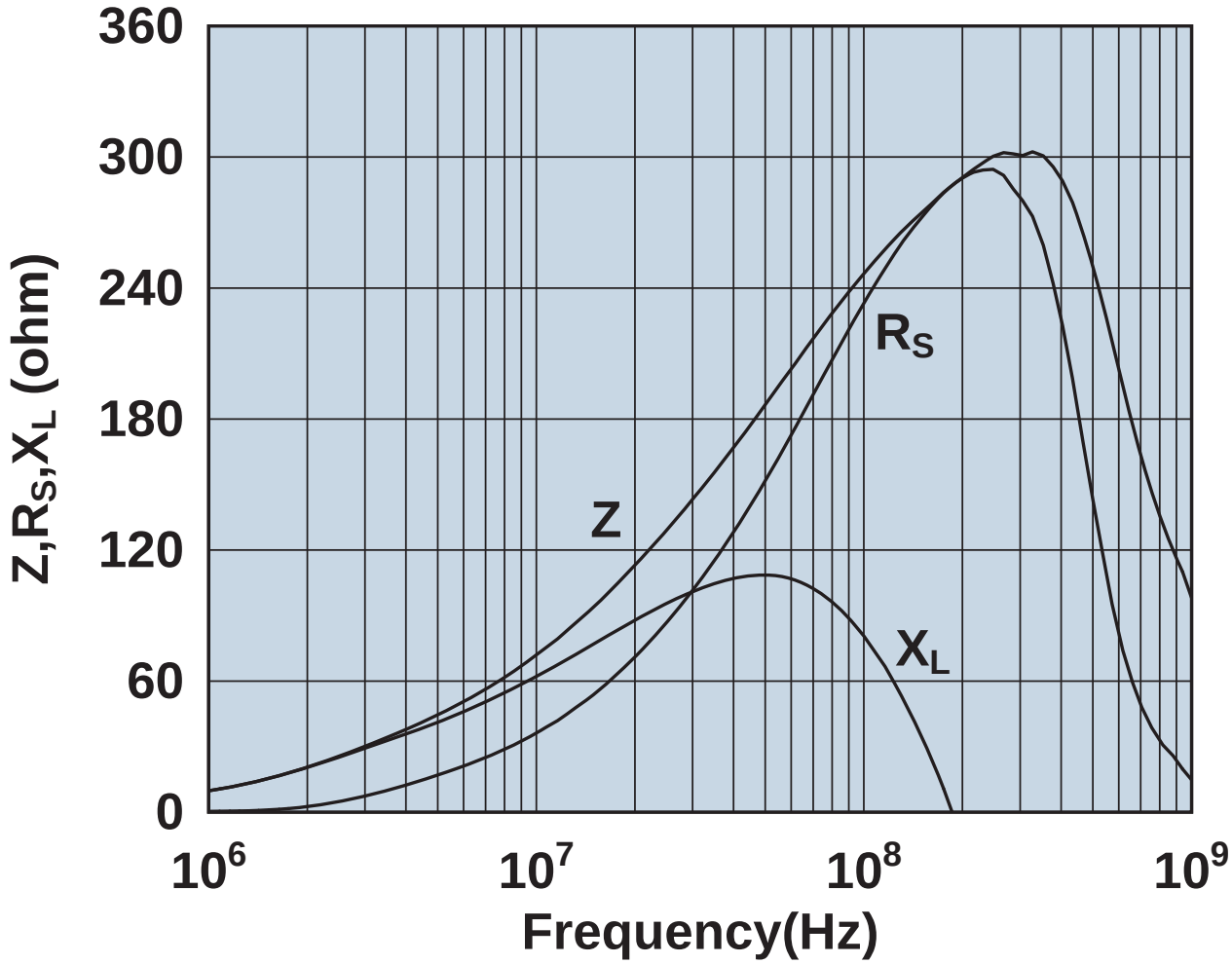
Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.



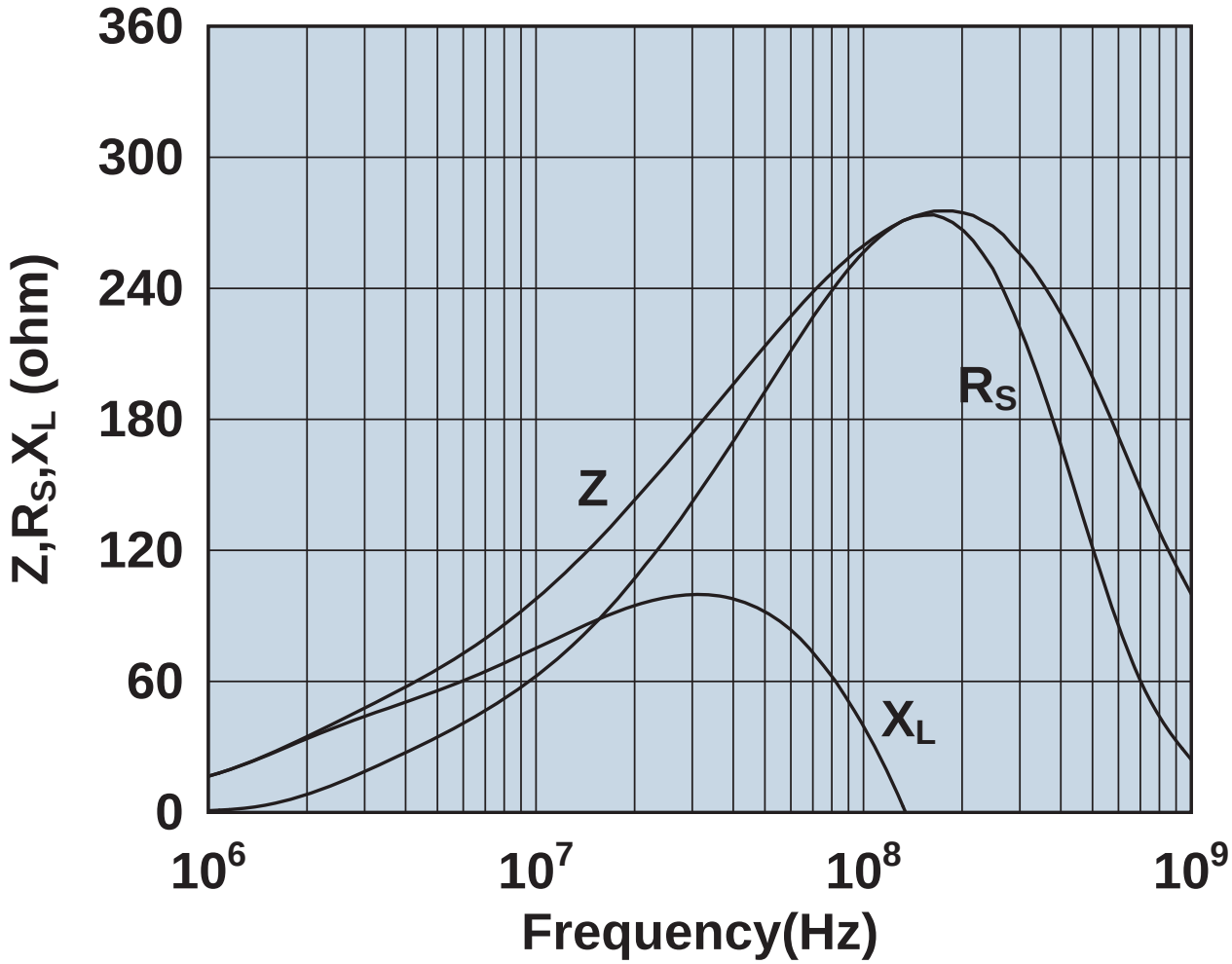
Impedance, reactance, and resistance vs. frequency.

0444164181



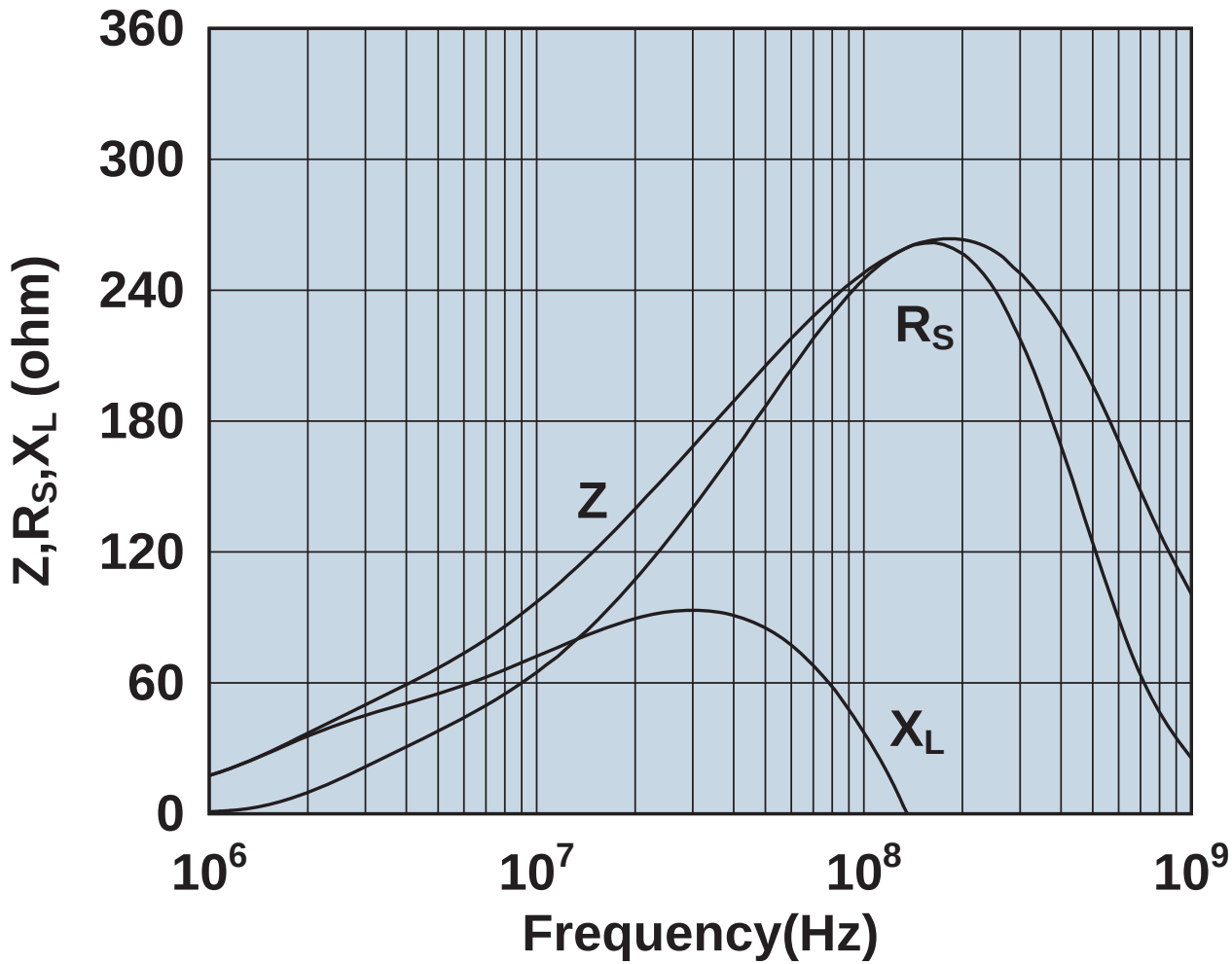
Impedance, reactance, and resistance vs. frequency.

0444164281



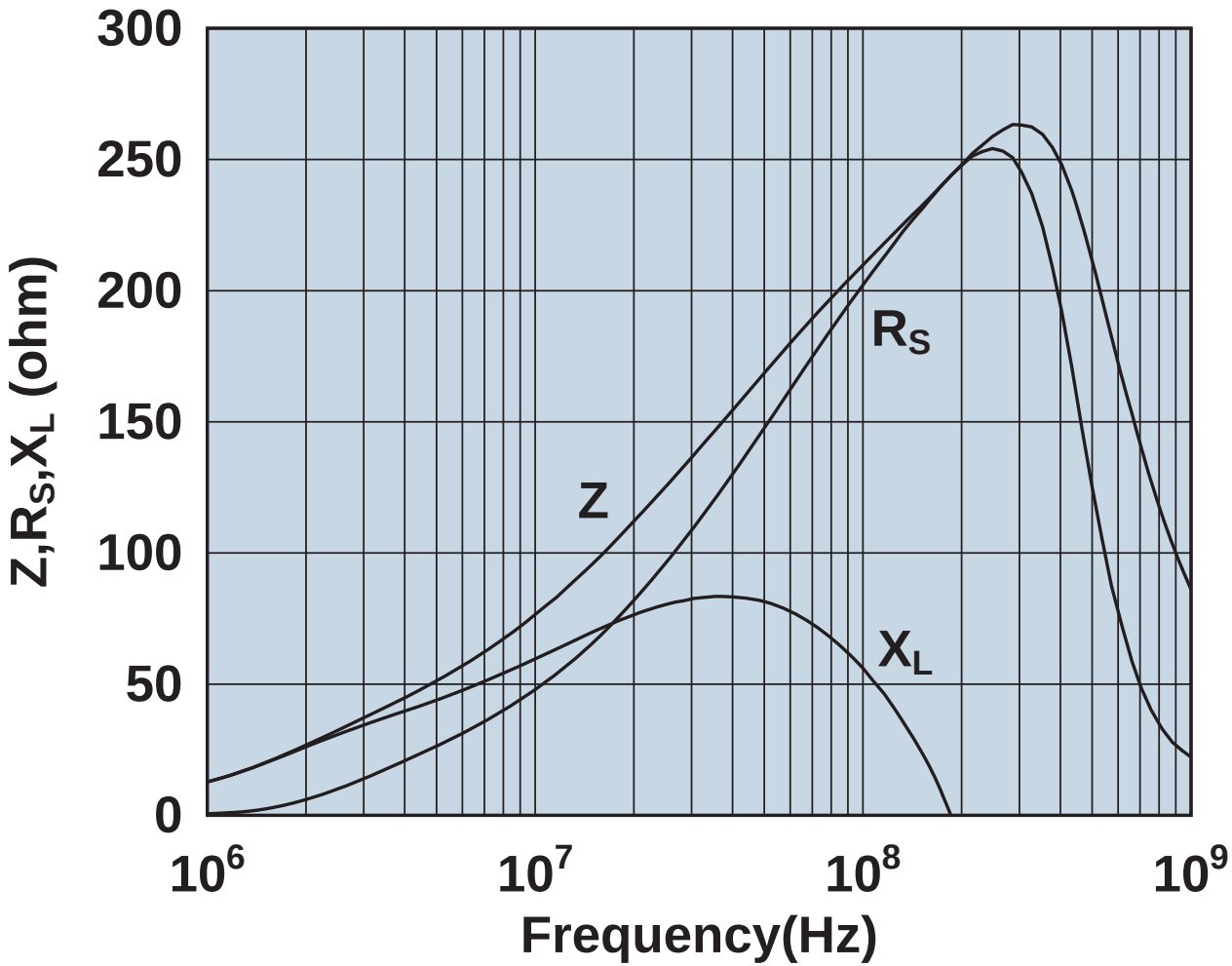
Impedance, reactance, and resistance vs. frequency.

0444164951



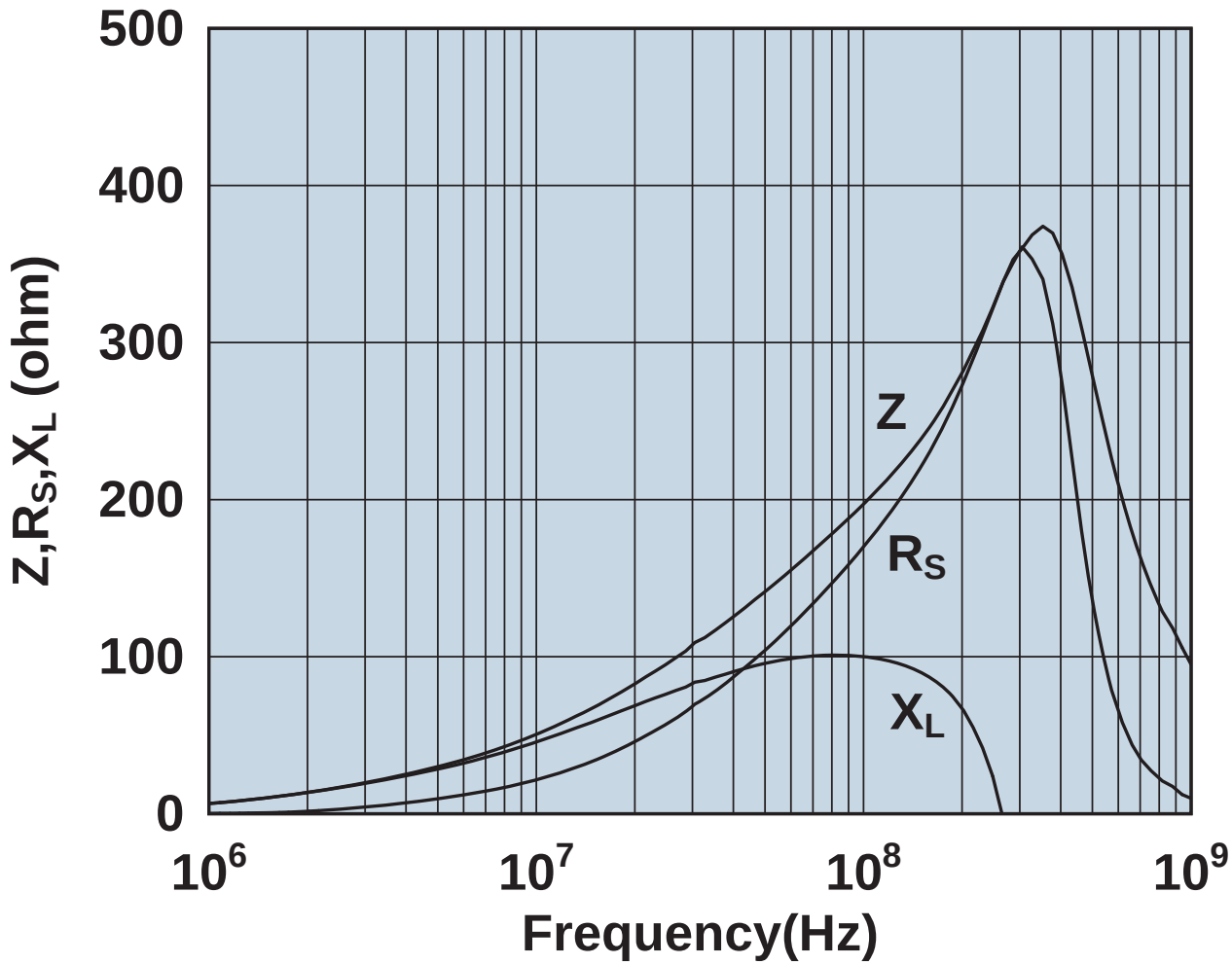
Impedance, reactance, and resistance vs. frequency.

0444167281



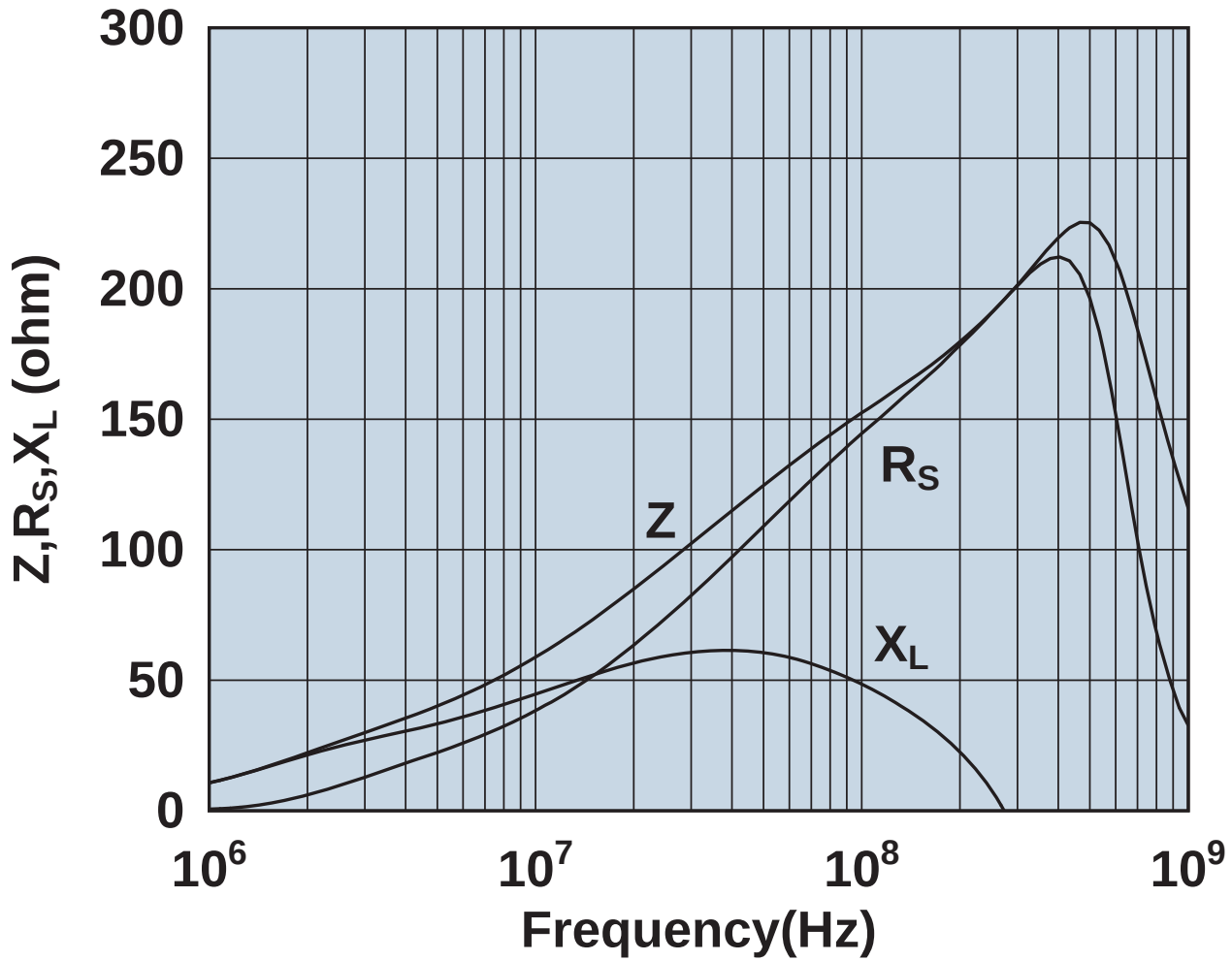
Impedance, reactance, and resistance vs. frequency.

0444173551



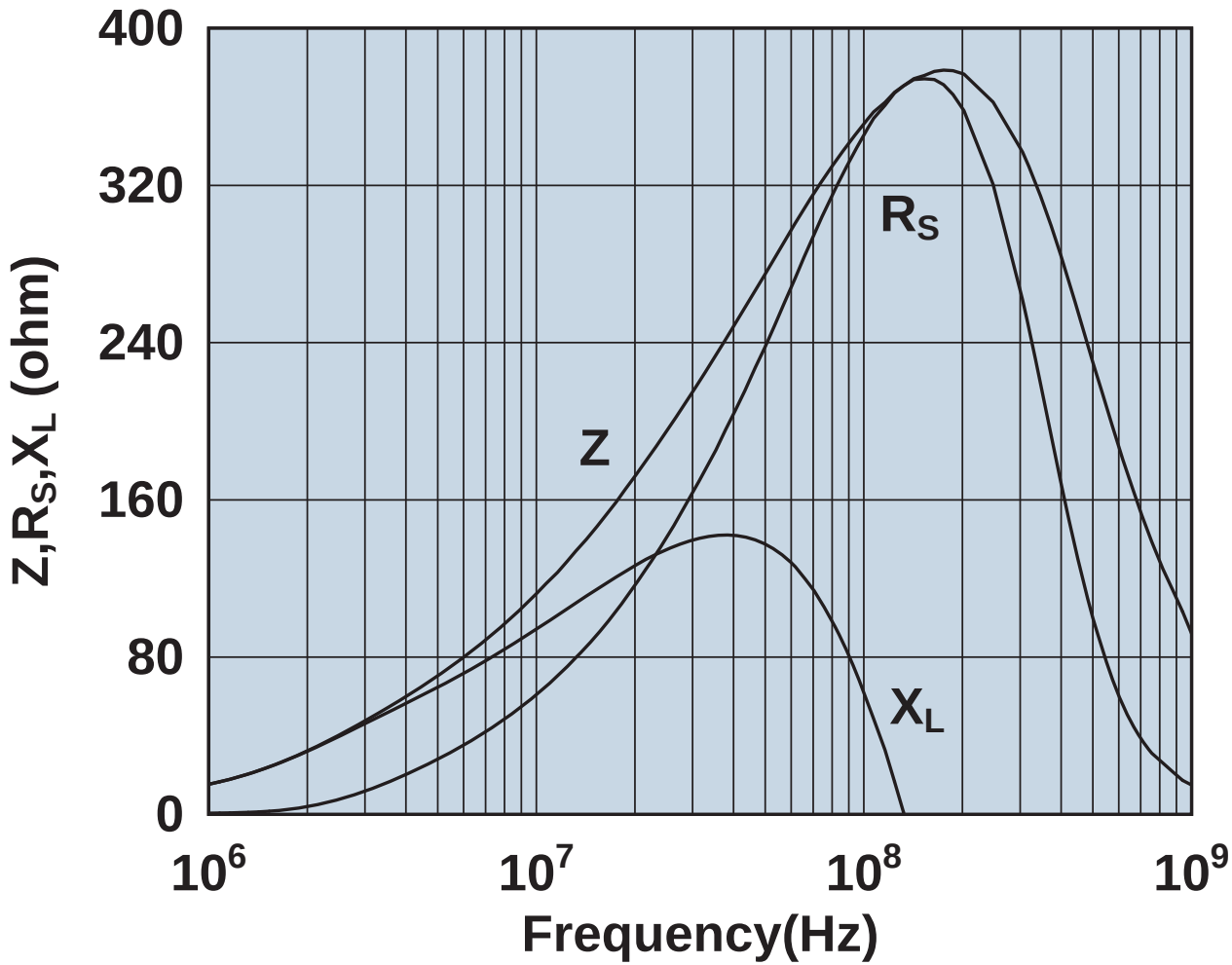
Impedance, reactance, and resistance vs. frequency.

0444173951



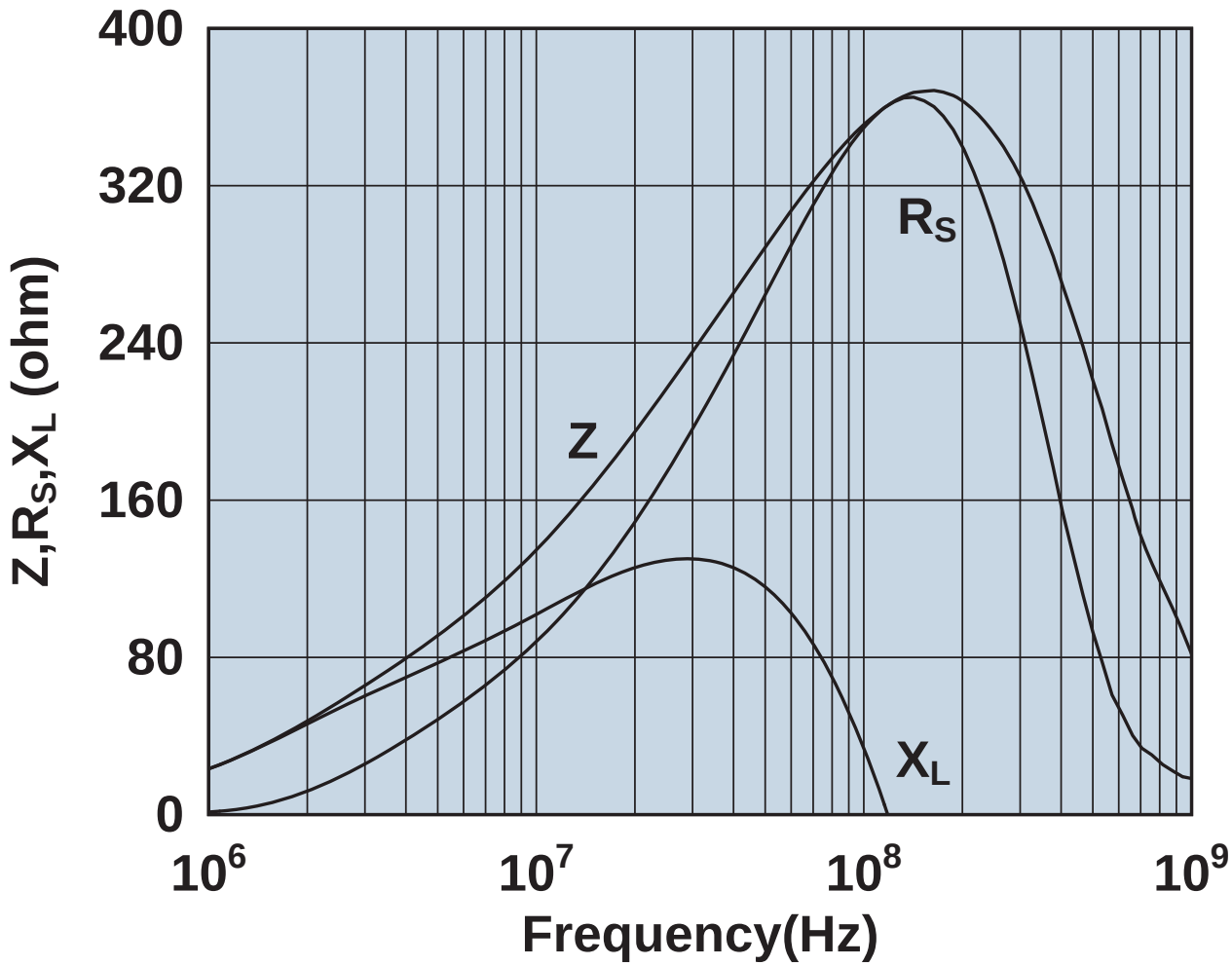
Impedance, reactance, and resistance vs. frequency.

0444176451

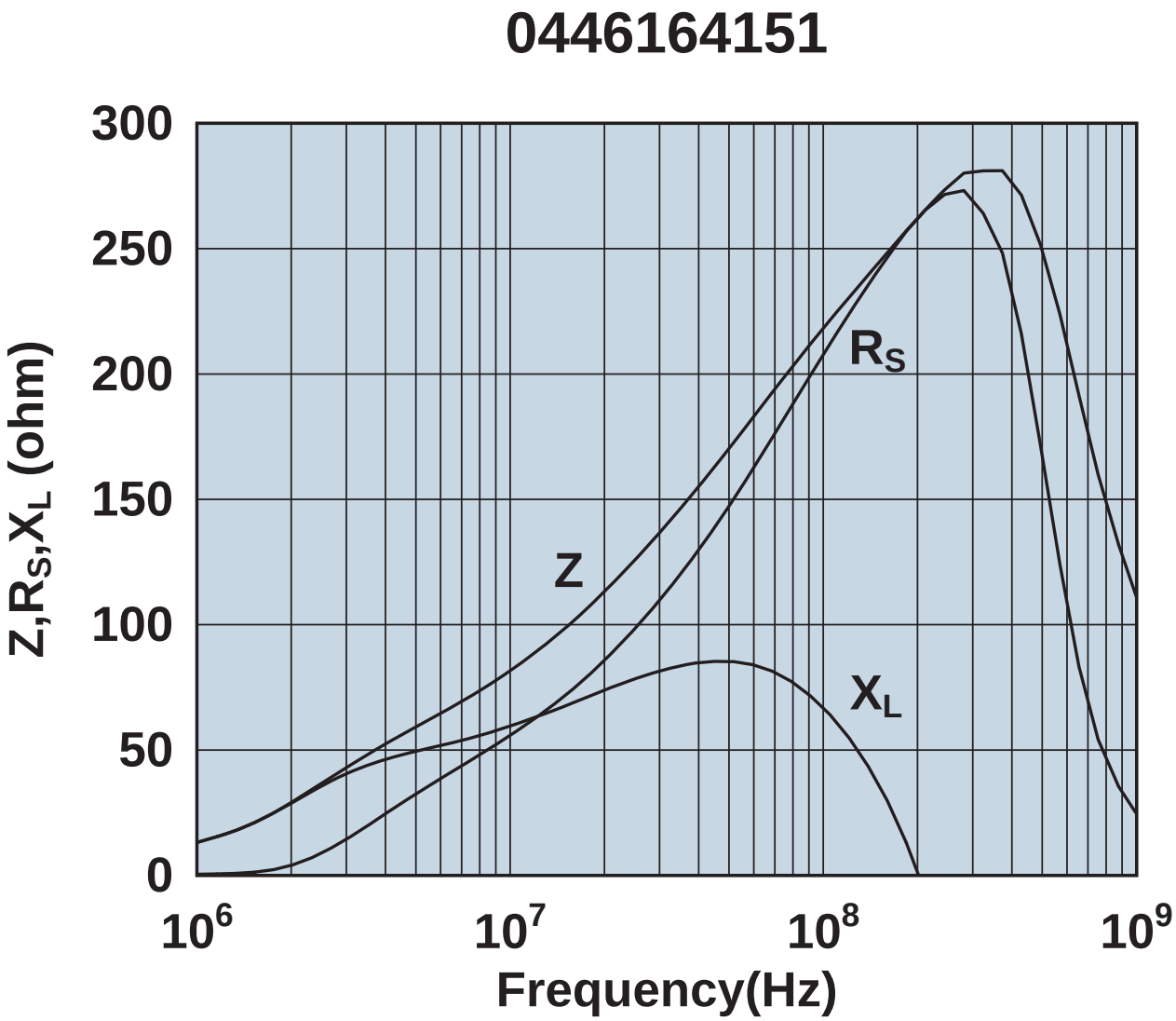


Impedance, reactance, and resistance vs. frequency.

0444177081

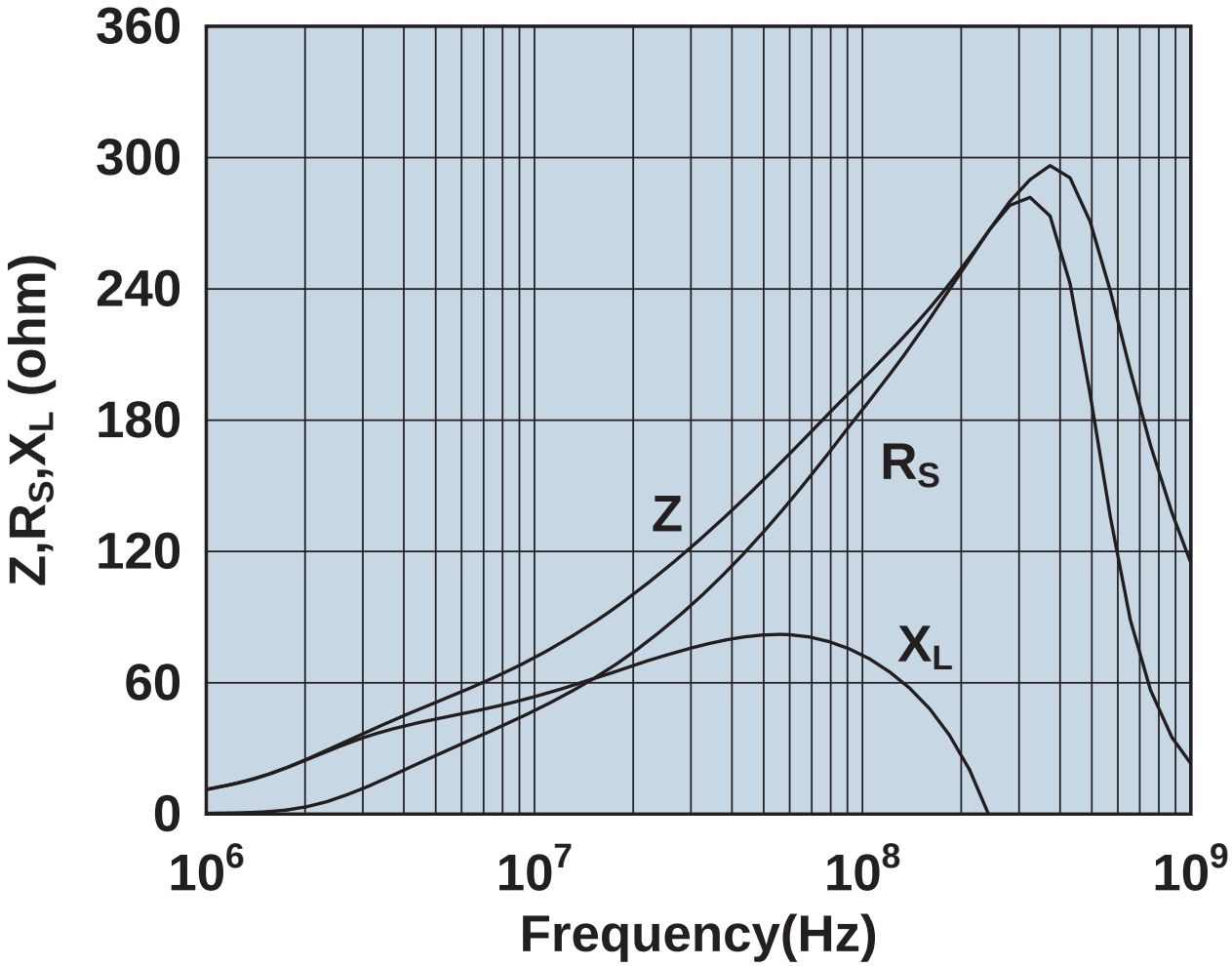


Impedance, reactance, and resistance vs. frequency.

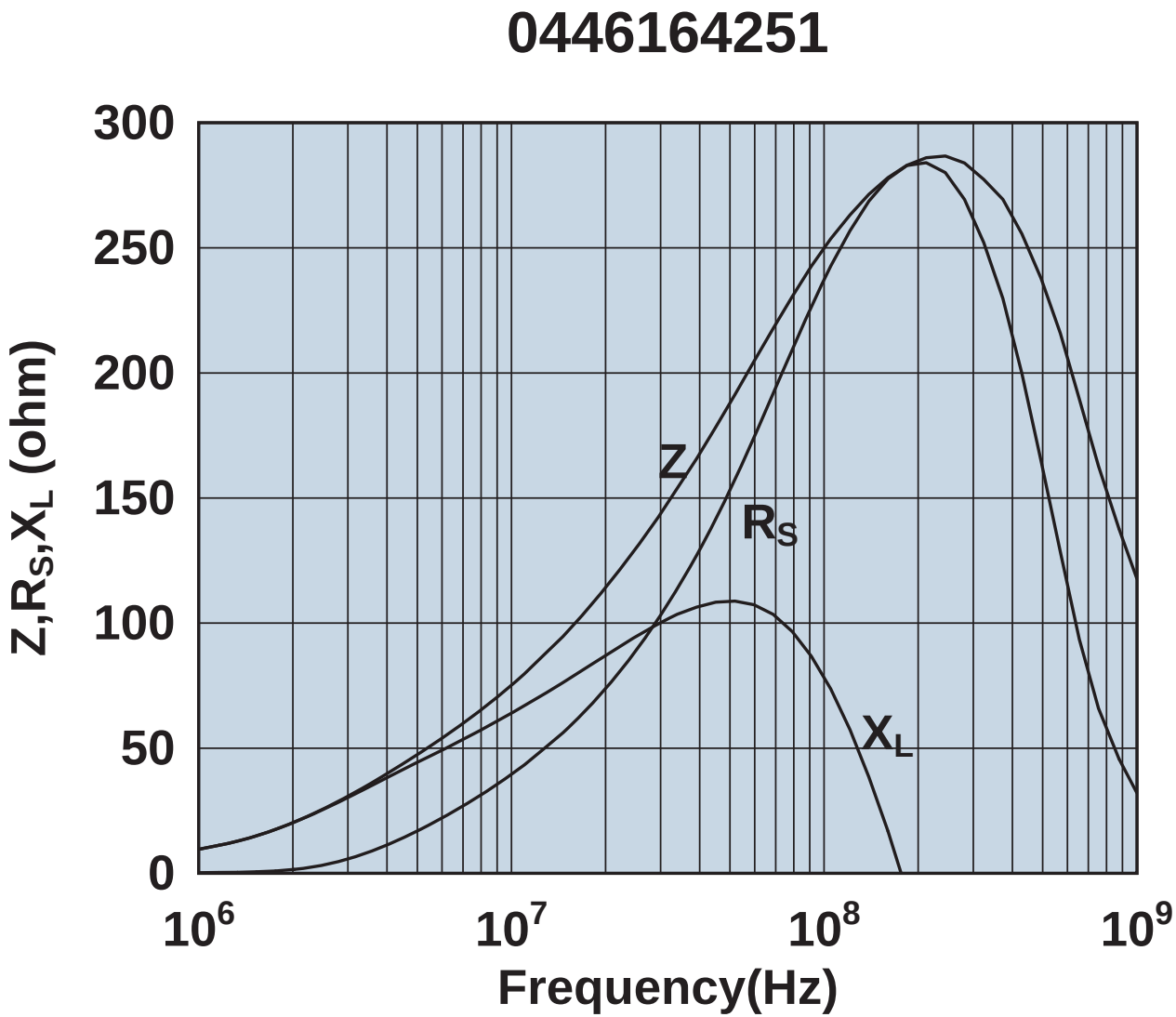


Impedance, reactance, and resistance vs. frequency.

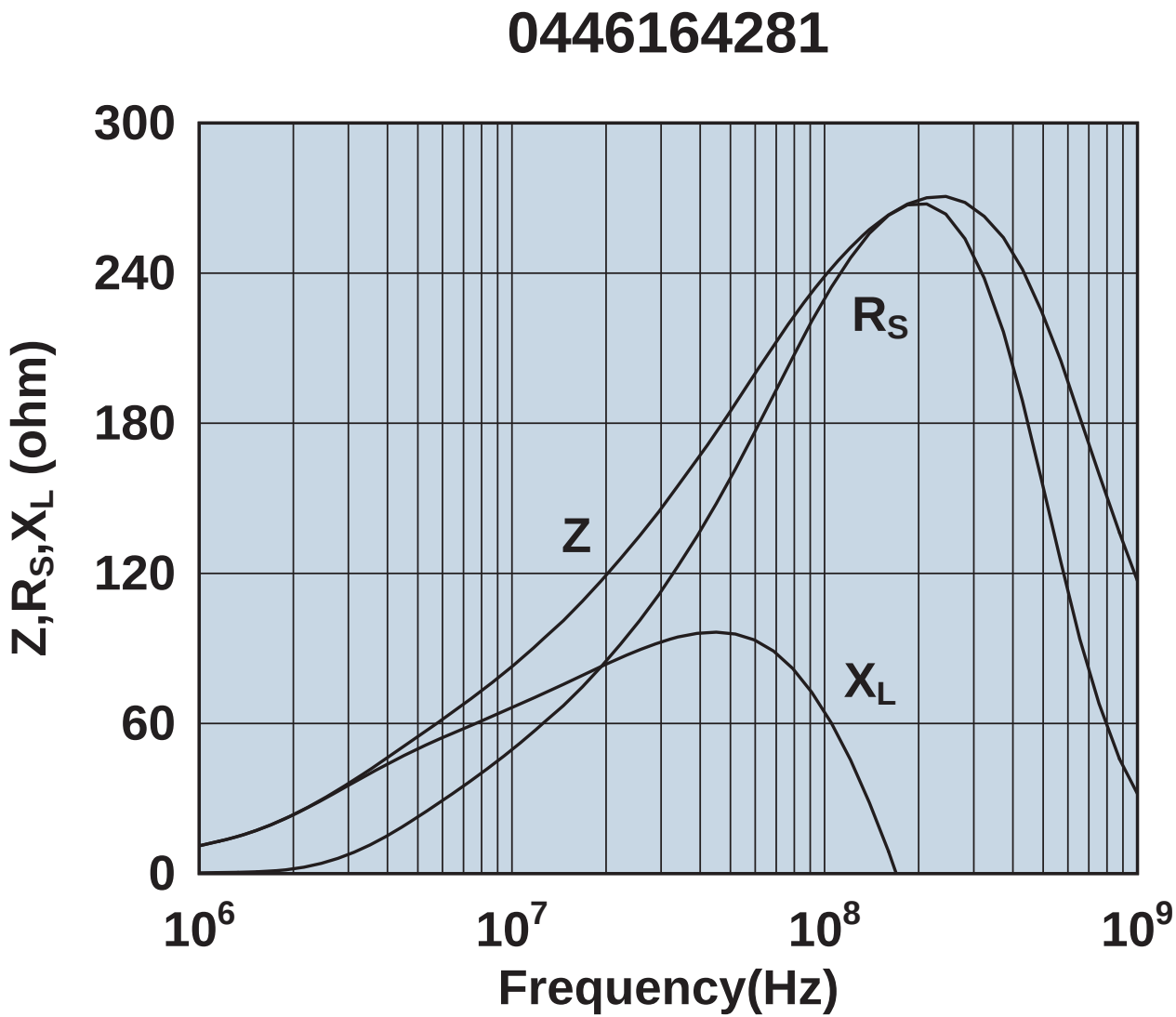
0446164181



Impedance, reactance, and resistance vs. frequency.



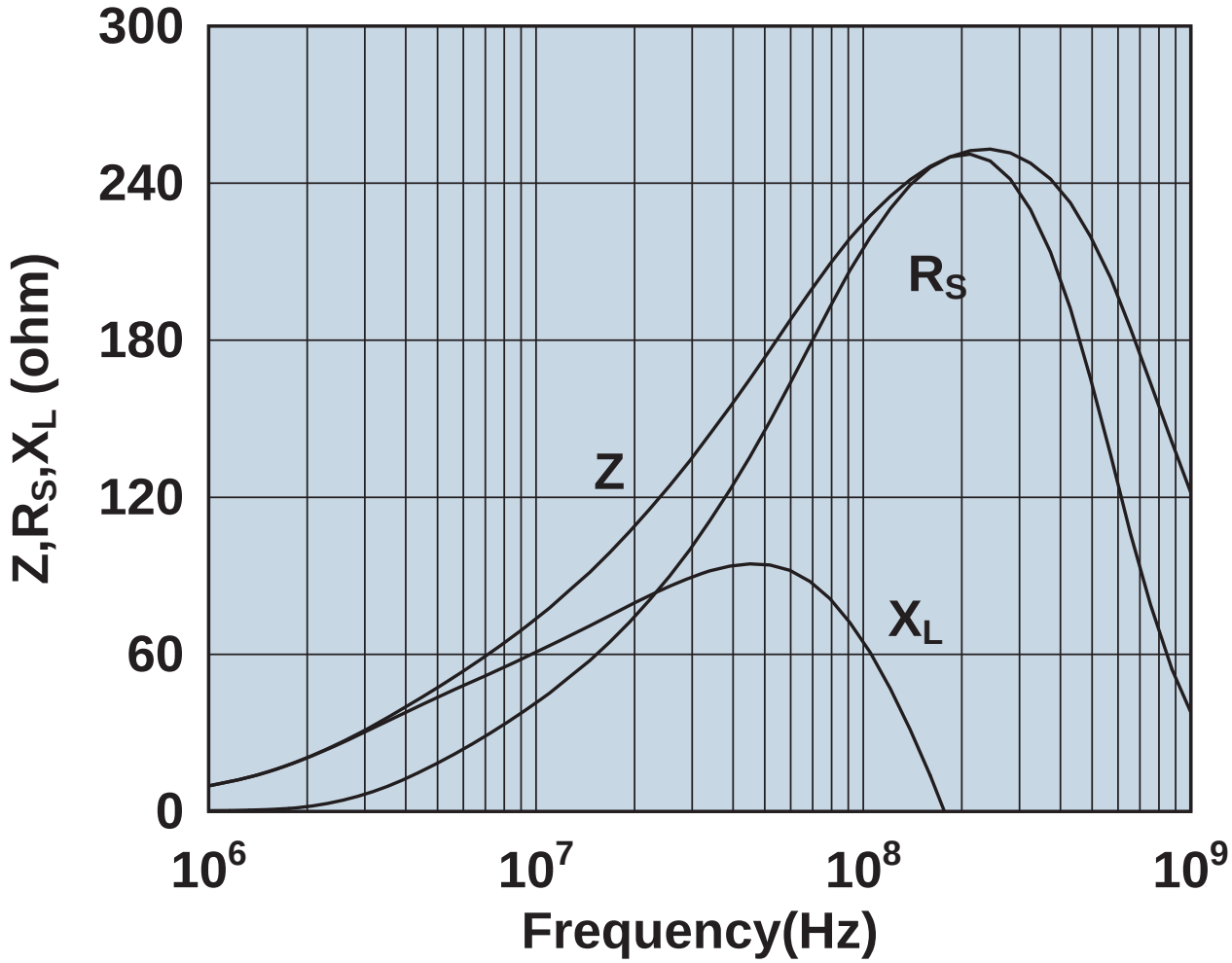
Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

0446164951



Impedance, reactance, and resistance vs. frequency.

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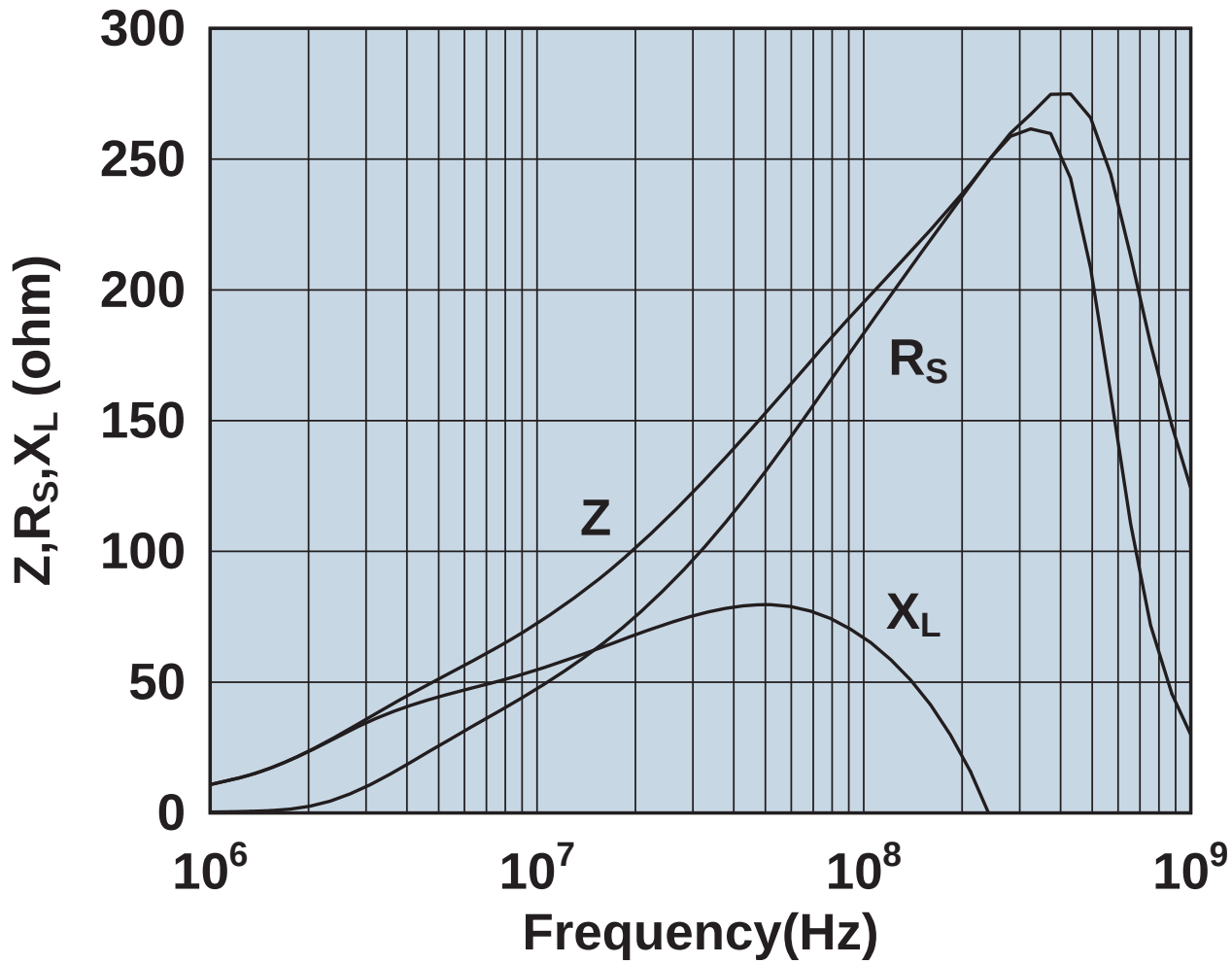
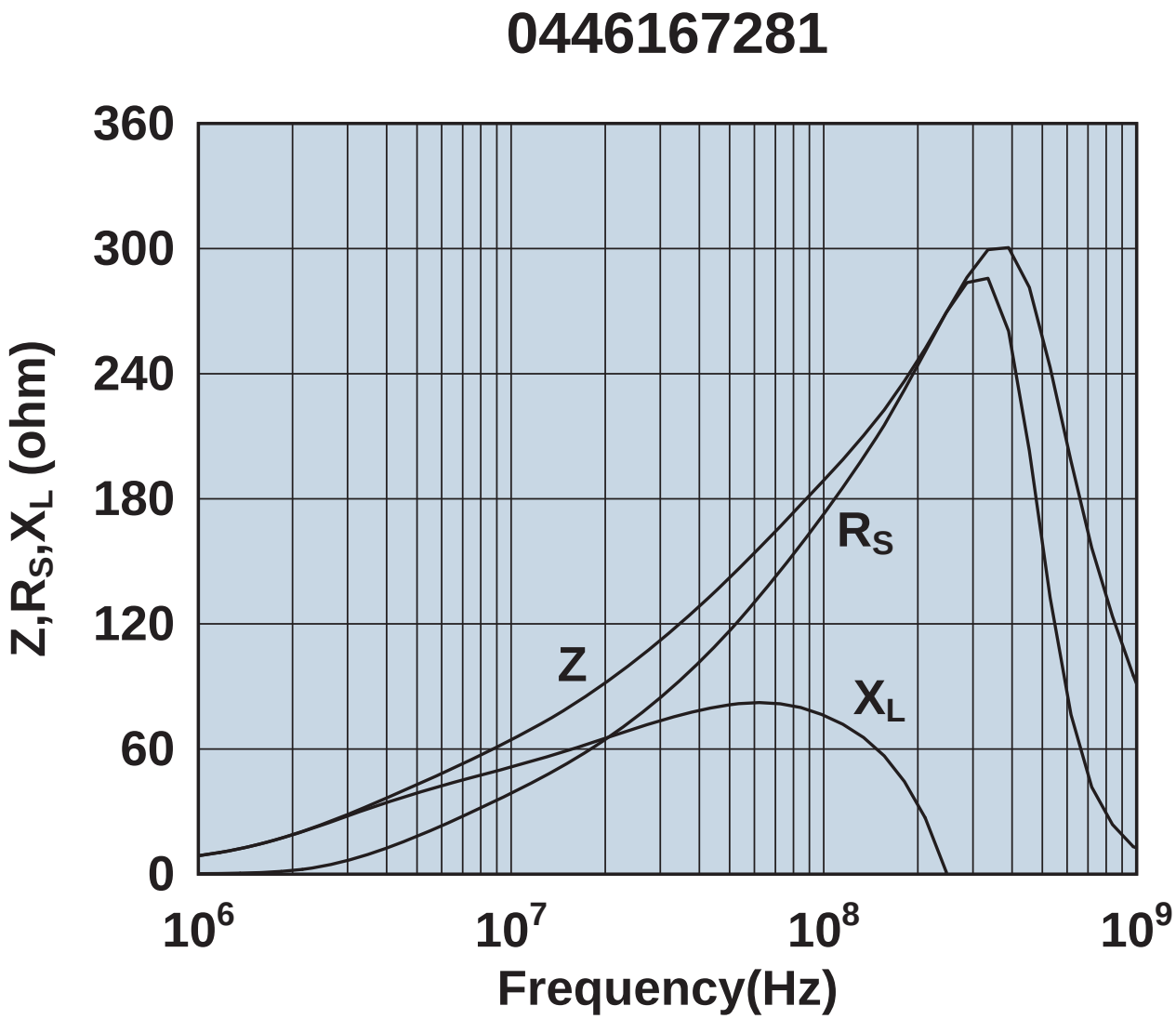
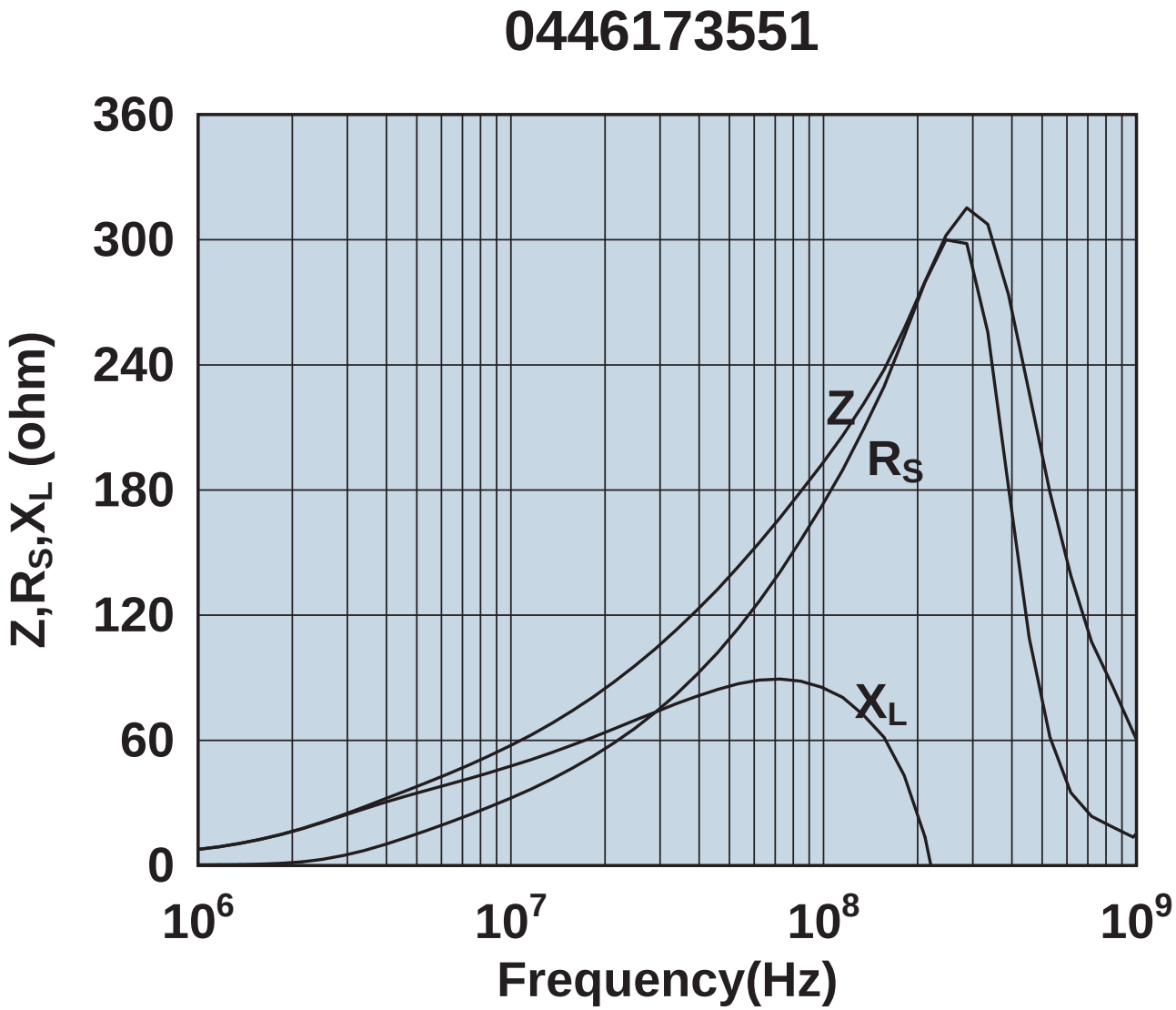


Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

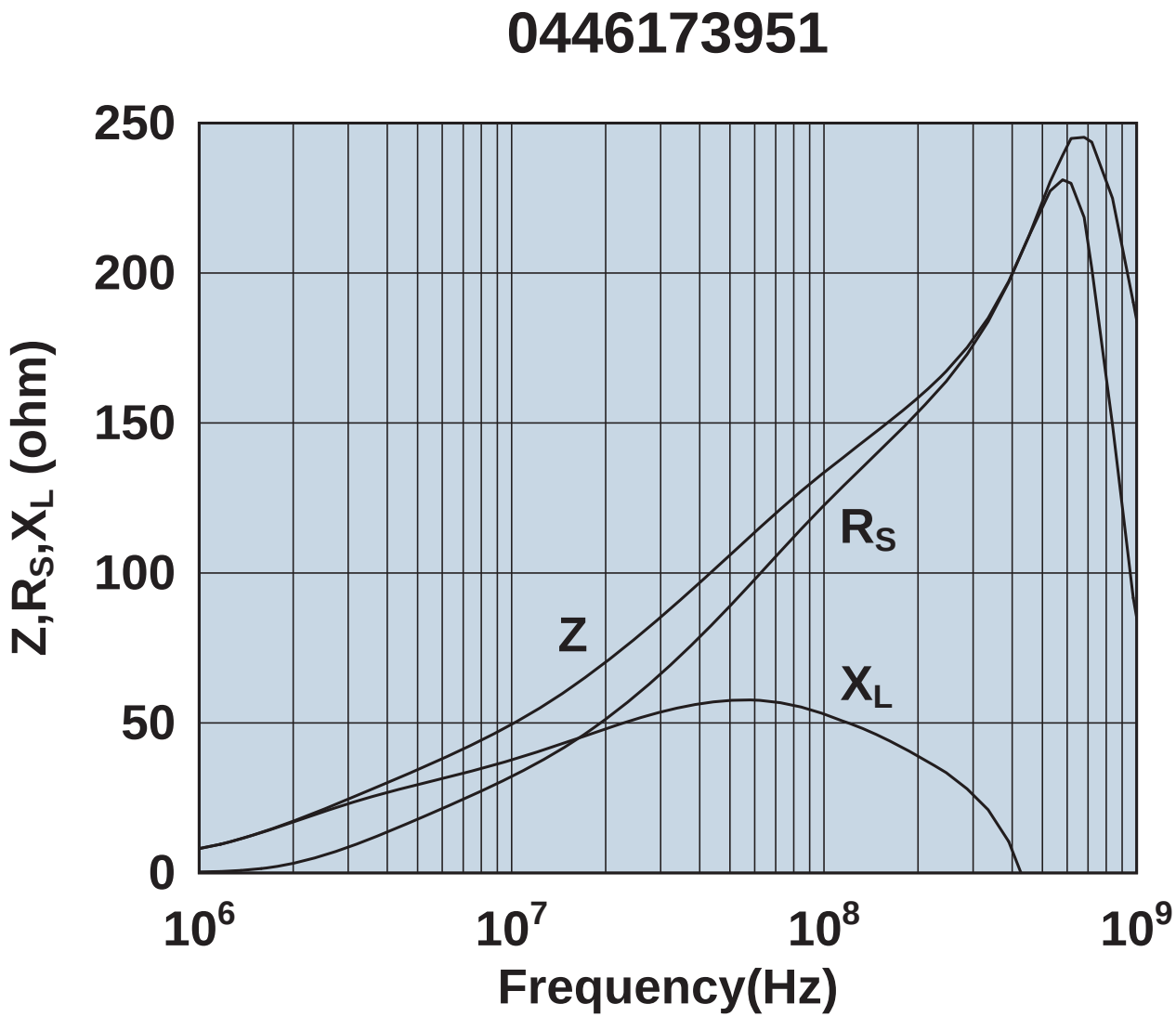


Impedance, reactance, and resistance vs. frequency.



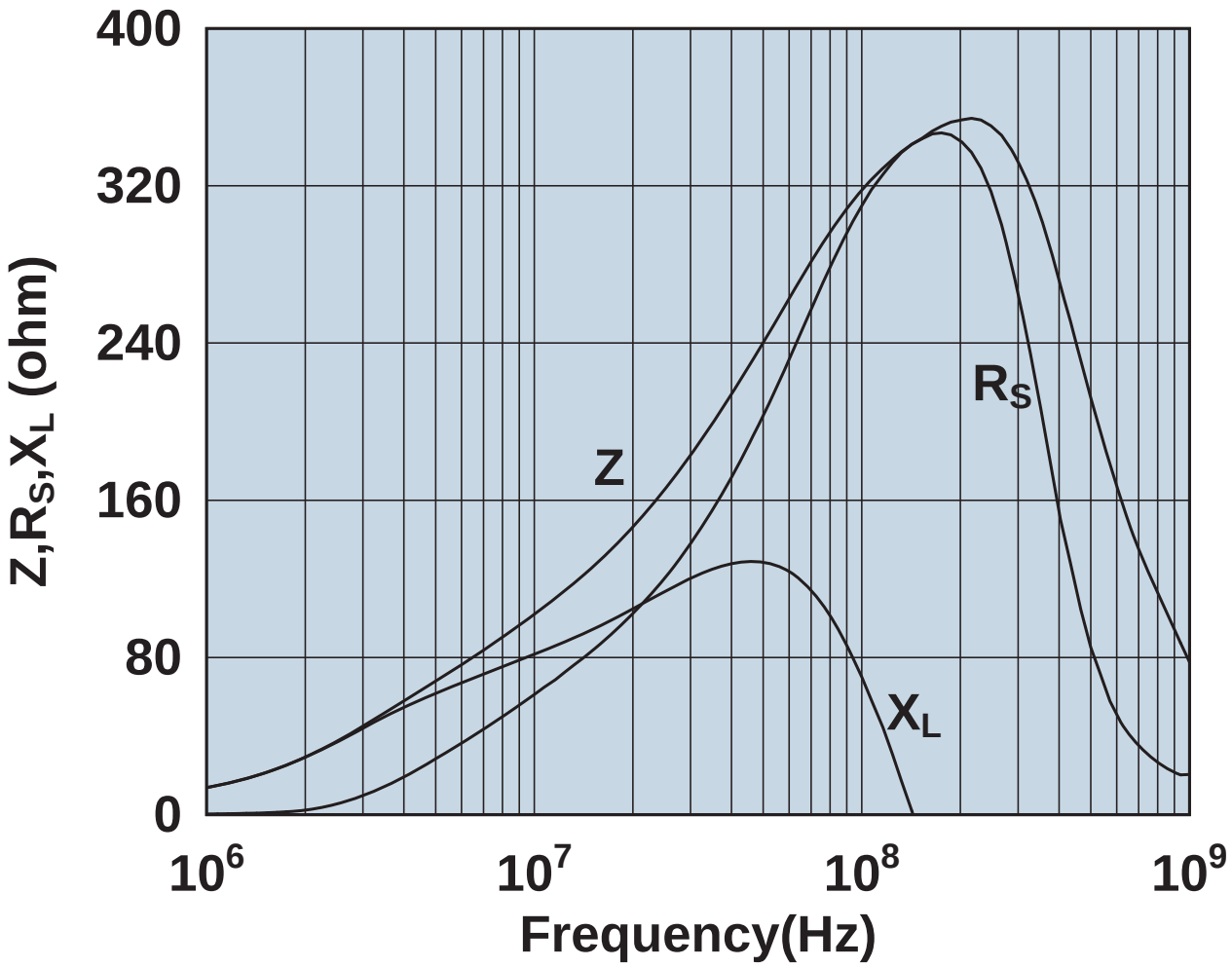
Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.



Impedance, reactance, and resistance vs. frequency.

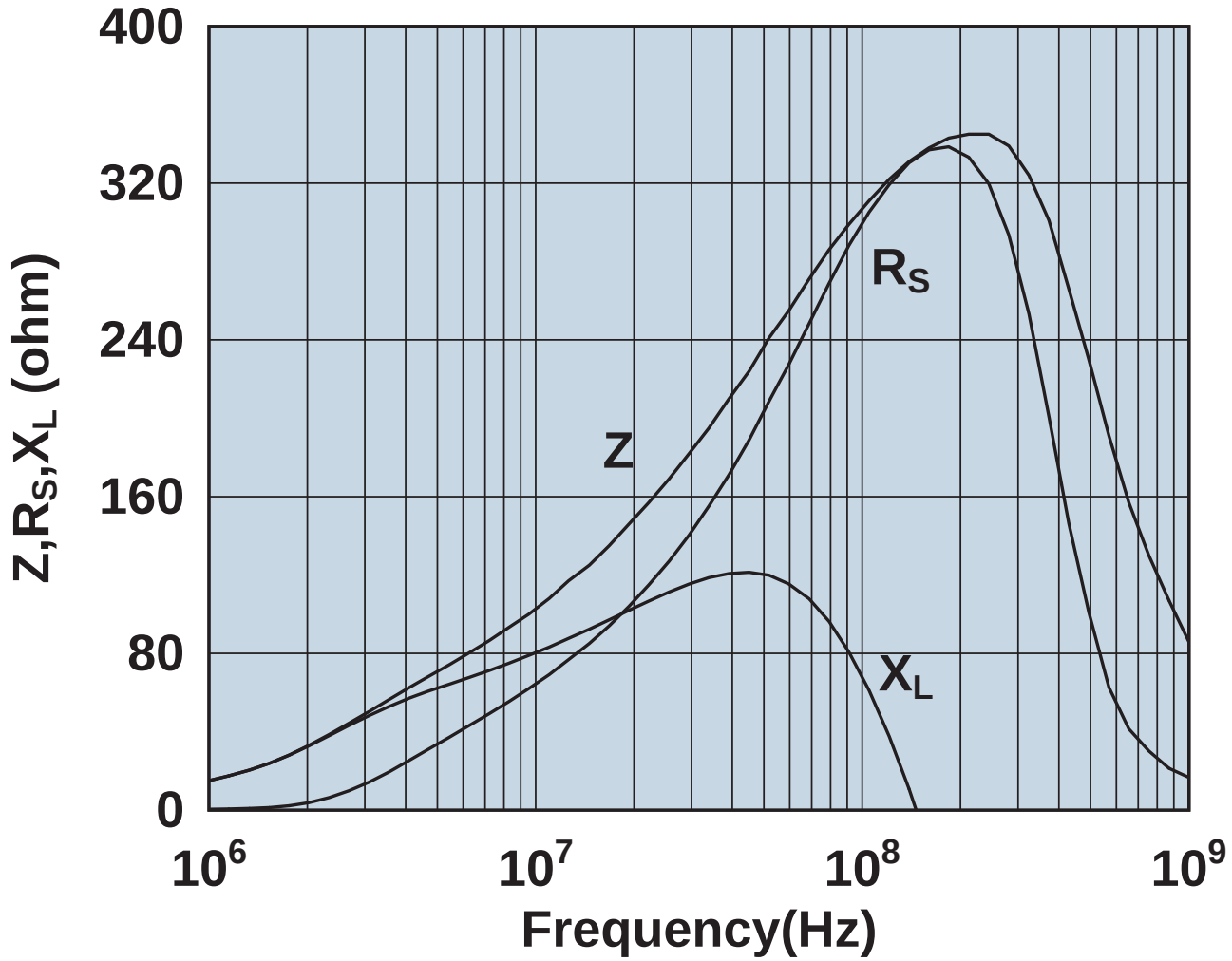
0446176451



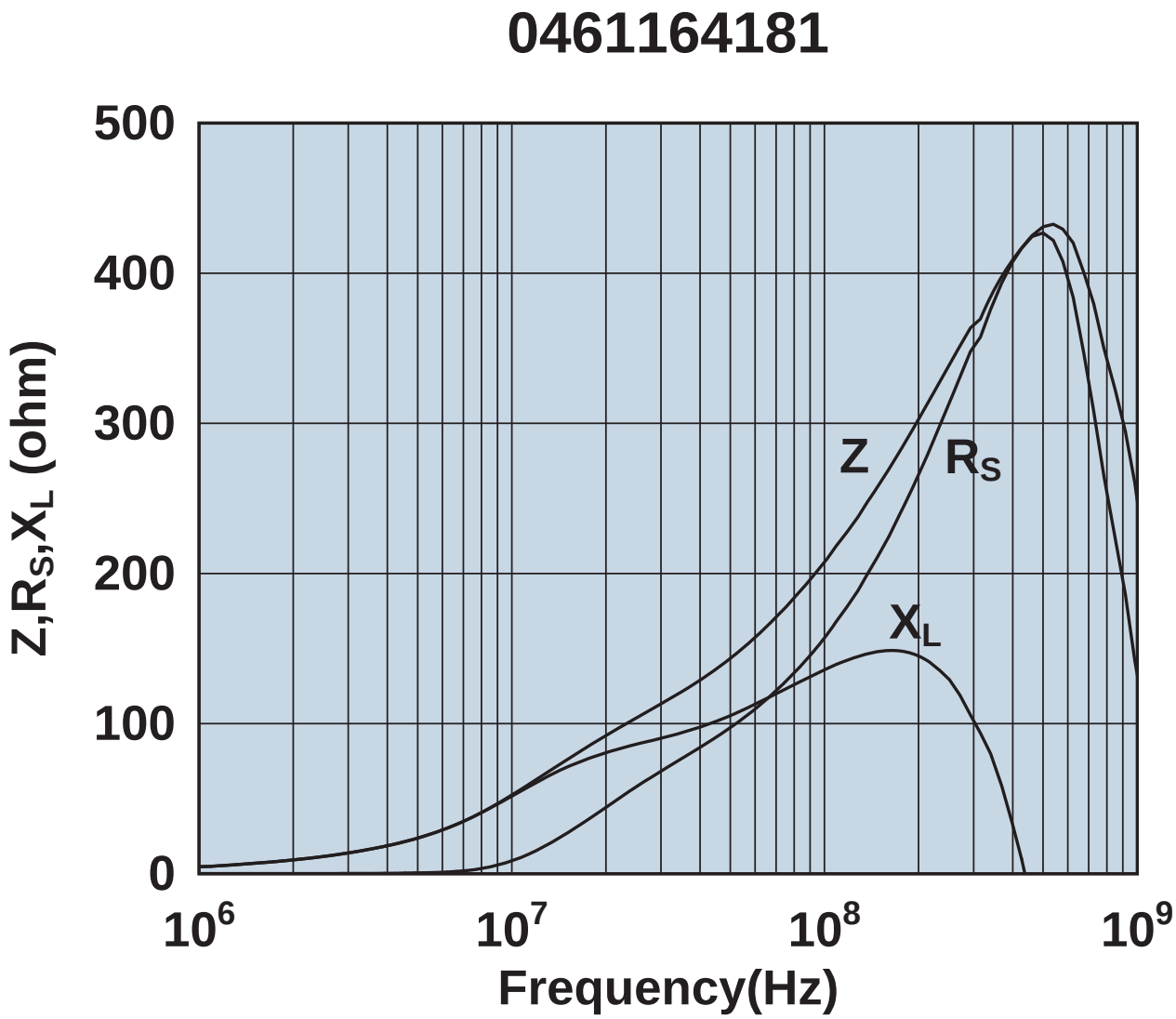
Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

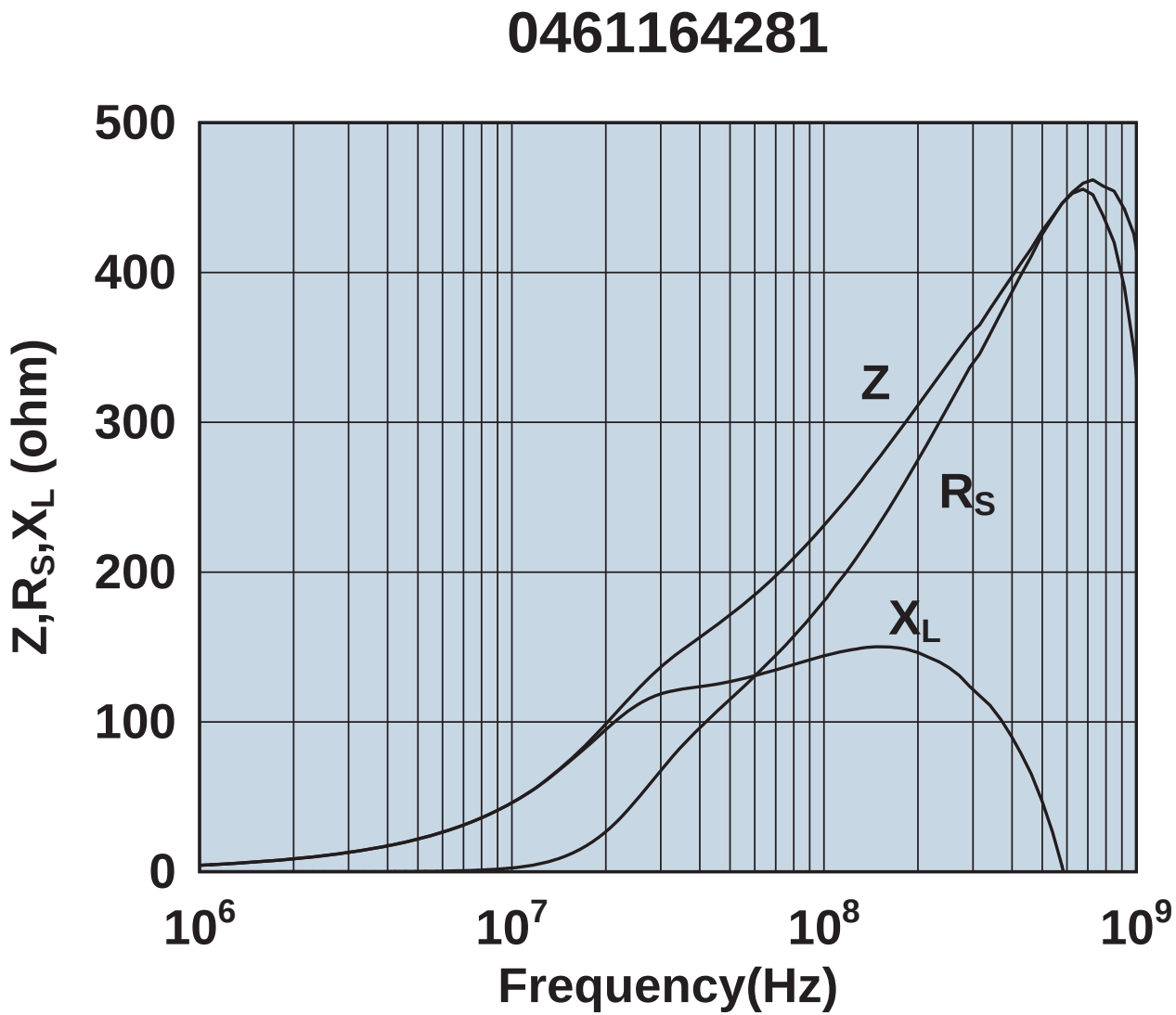
0446177081



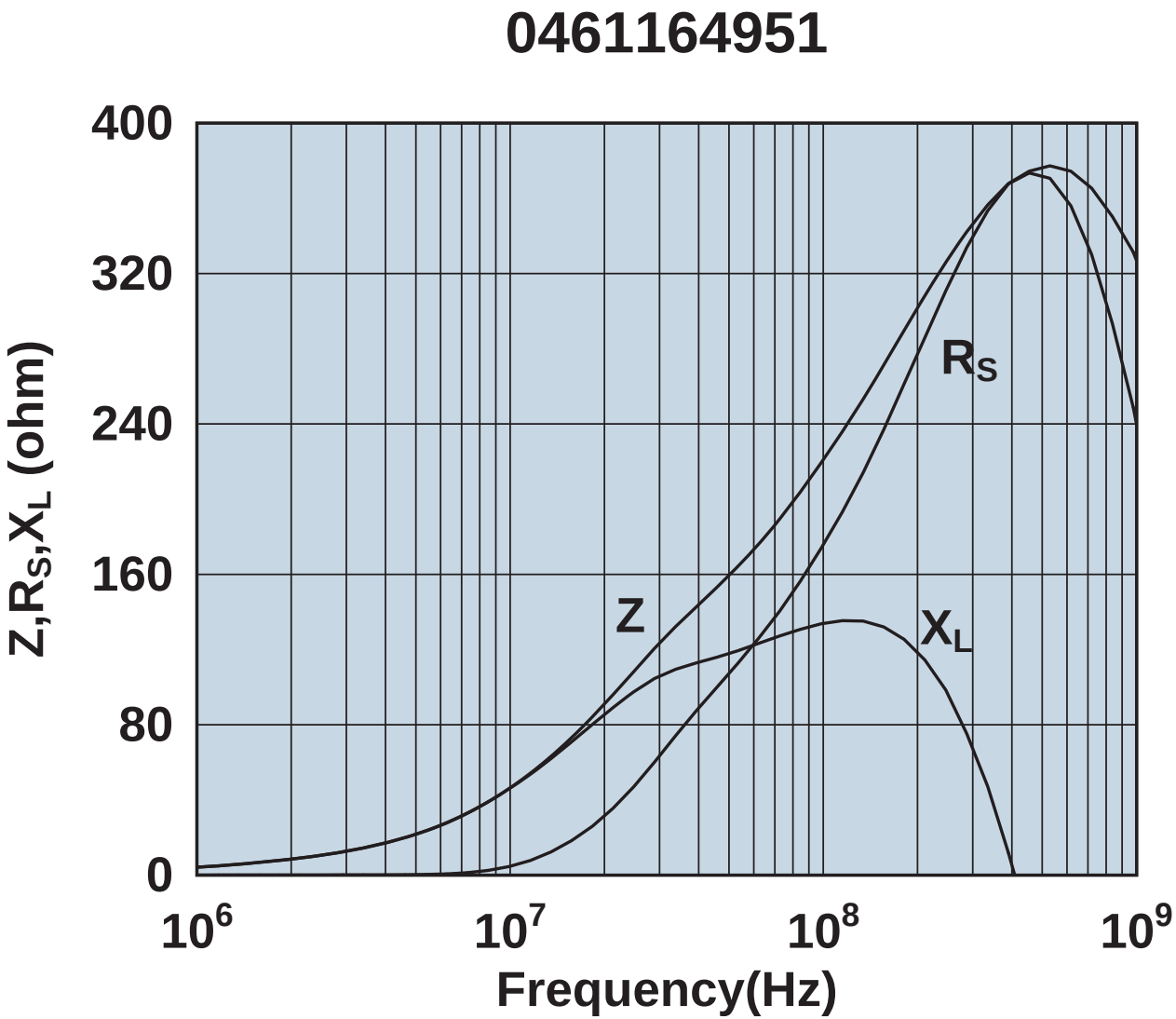
Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

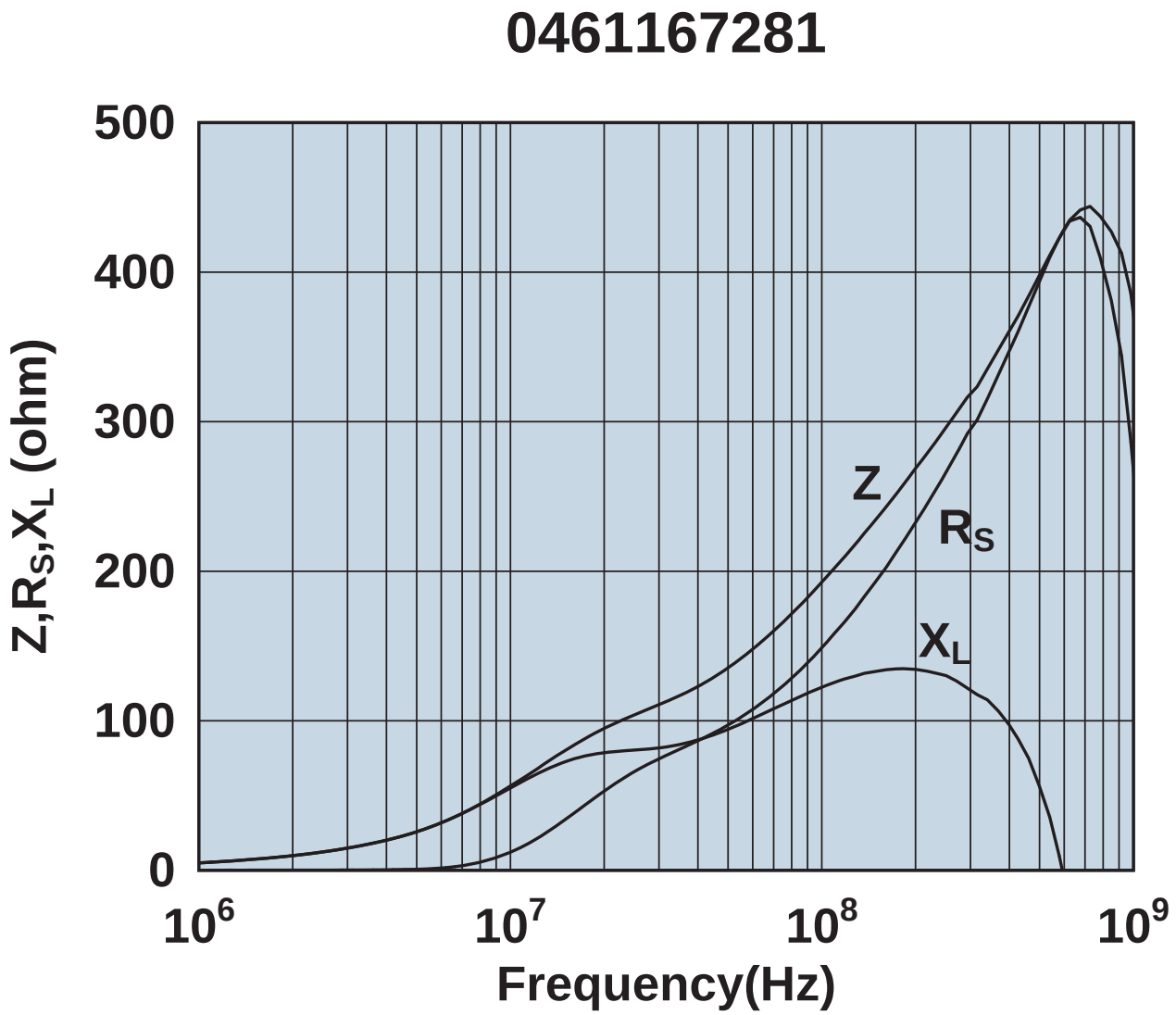


Impedance, reactance, and resistance vs. frequency.

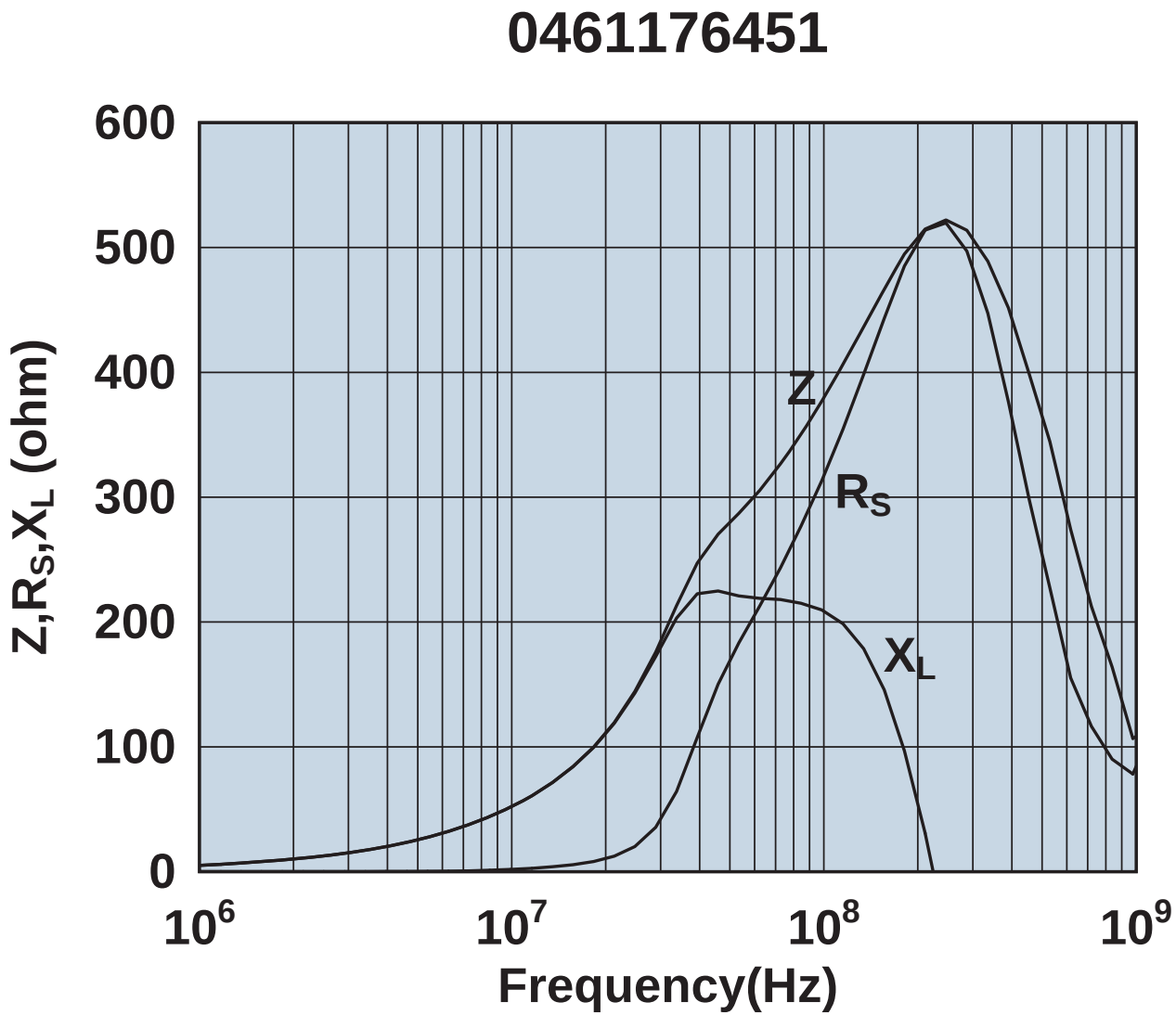


Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

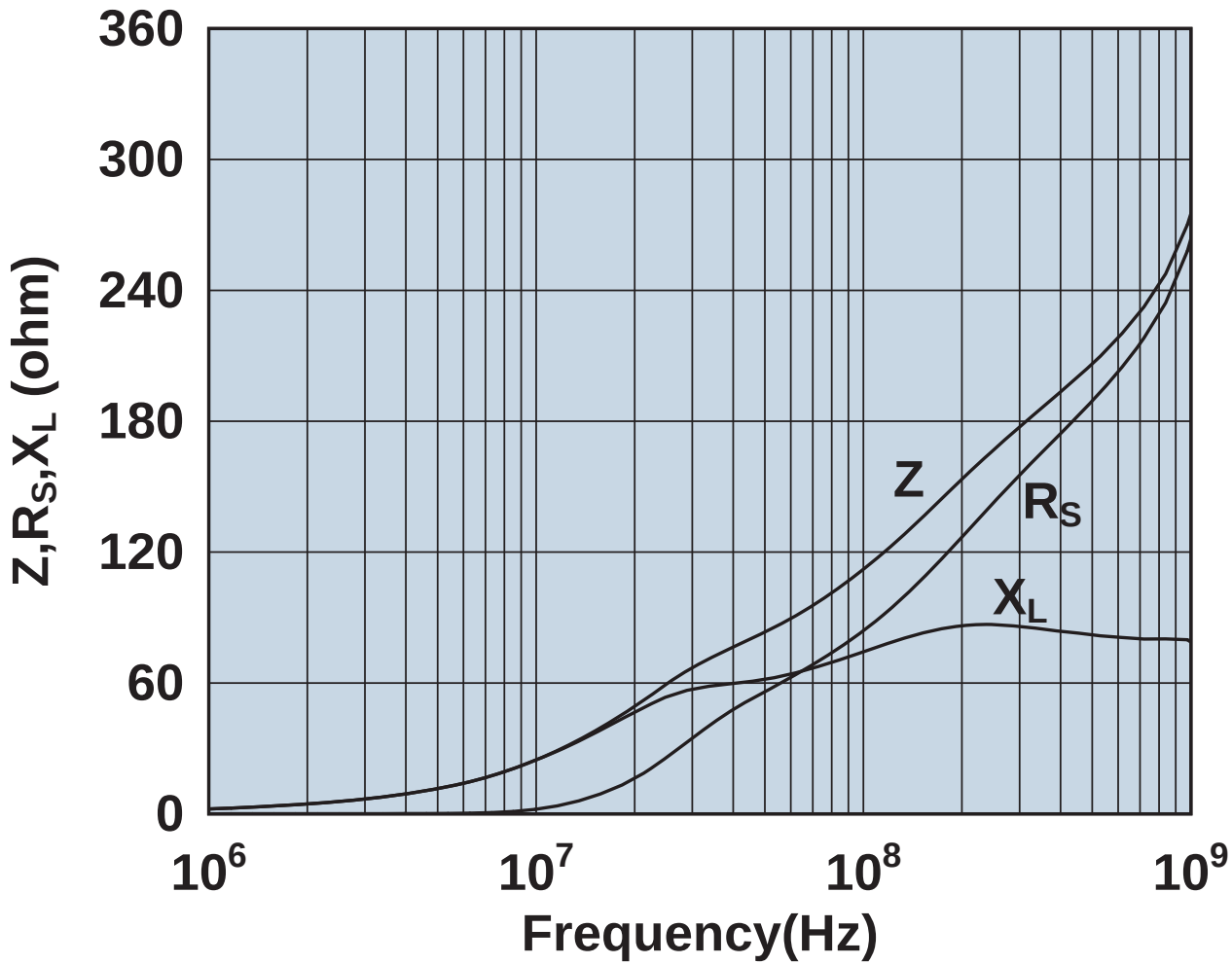


Impedance, reactance, and resistance vs. frequency.

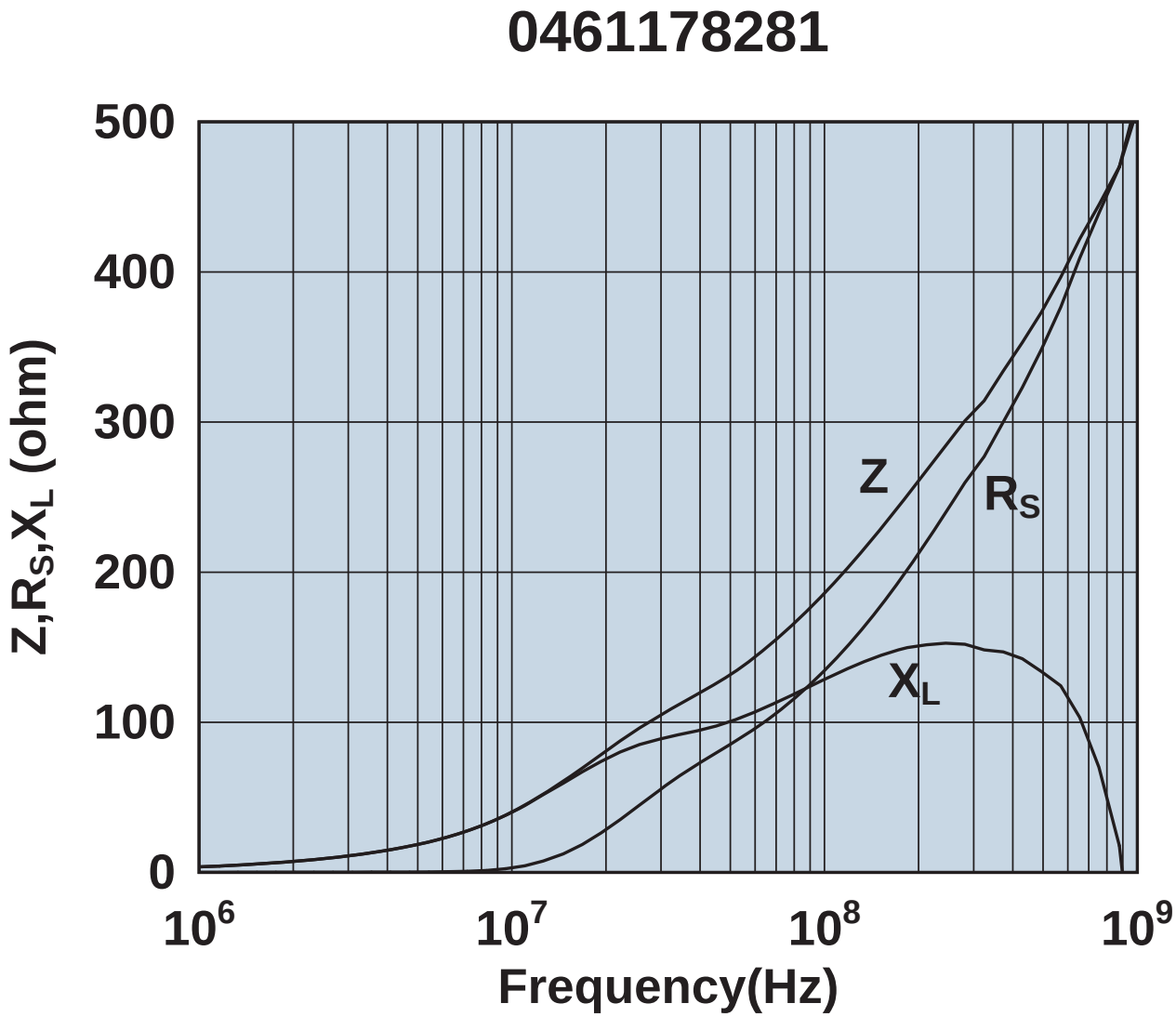


Impedance, reactance, and resistance vs. frequency.

0461178181

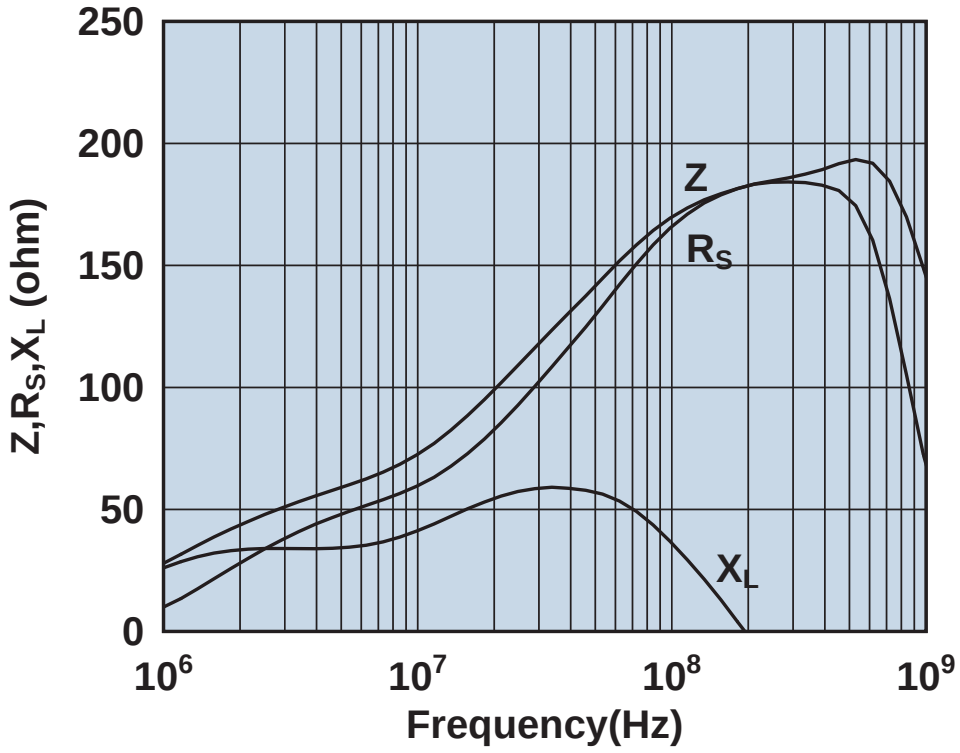


Impedance, reactance, and resistance vs. frequency.

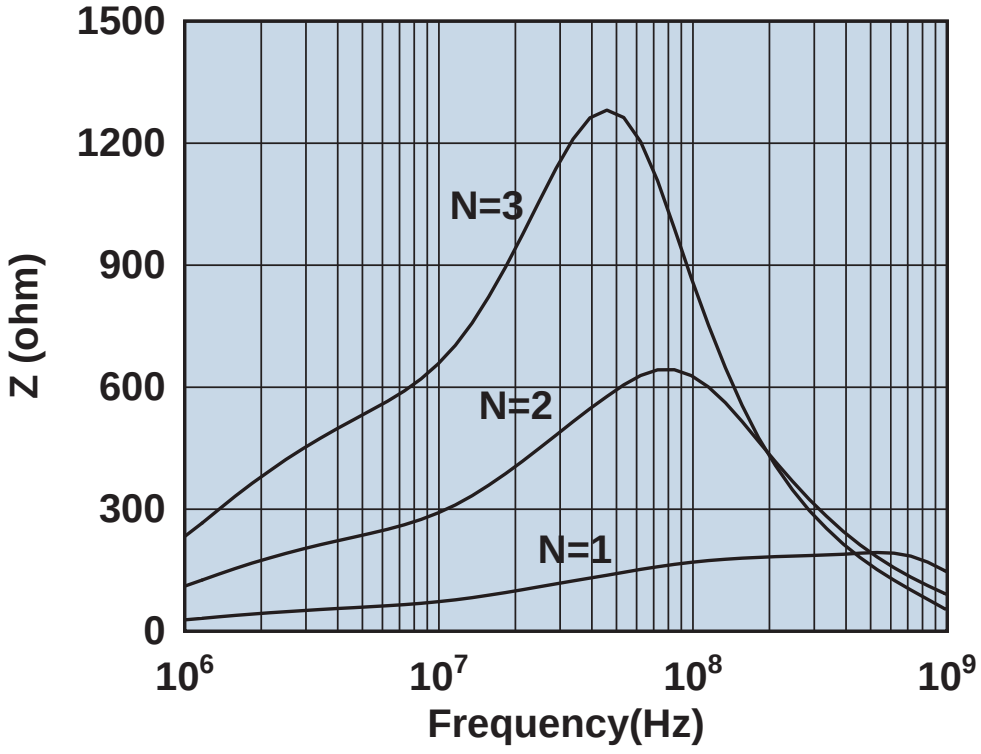


Impedance, reactance, and resistance vs. frequency.

2631023002

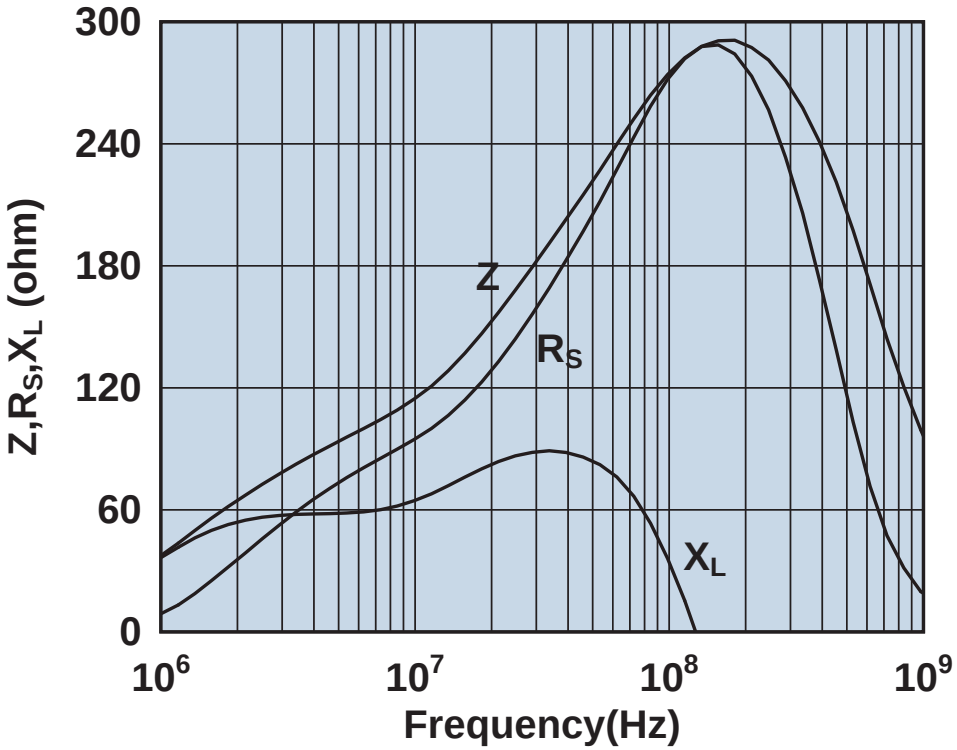


Impedance, reactance, and resistance vs. frequency.

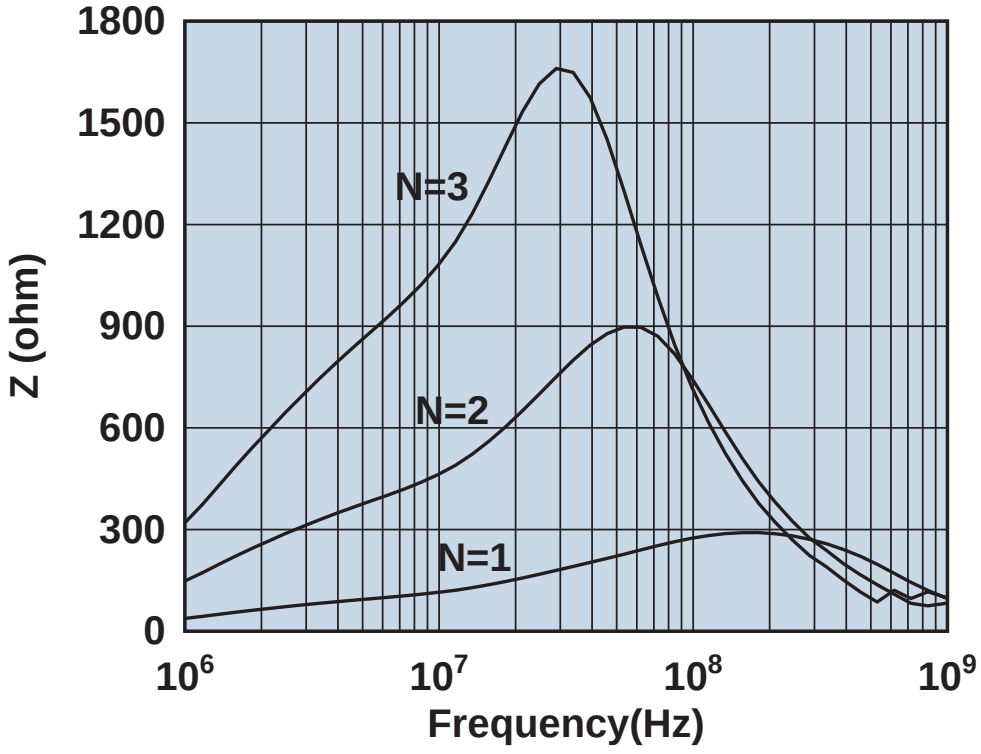


Impedance vs. frequency with one, two, and three turns.

2631101902

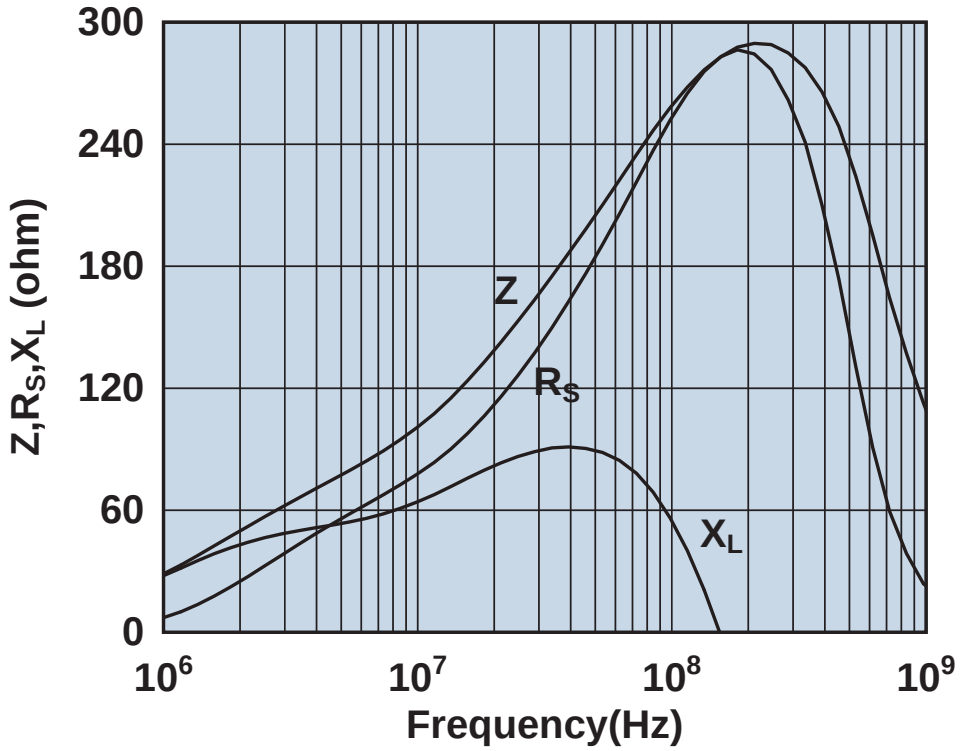


Impedance, reactance, and resistance vs. frequency.

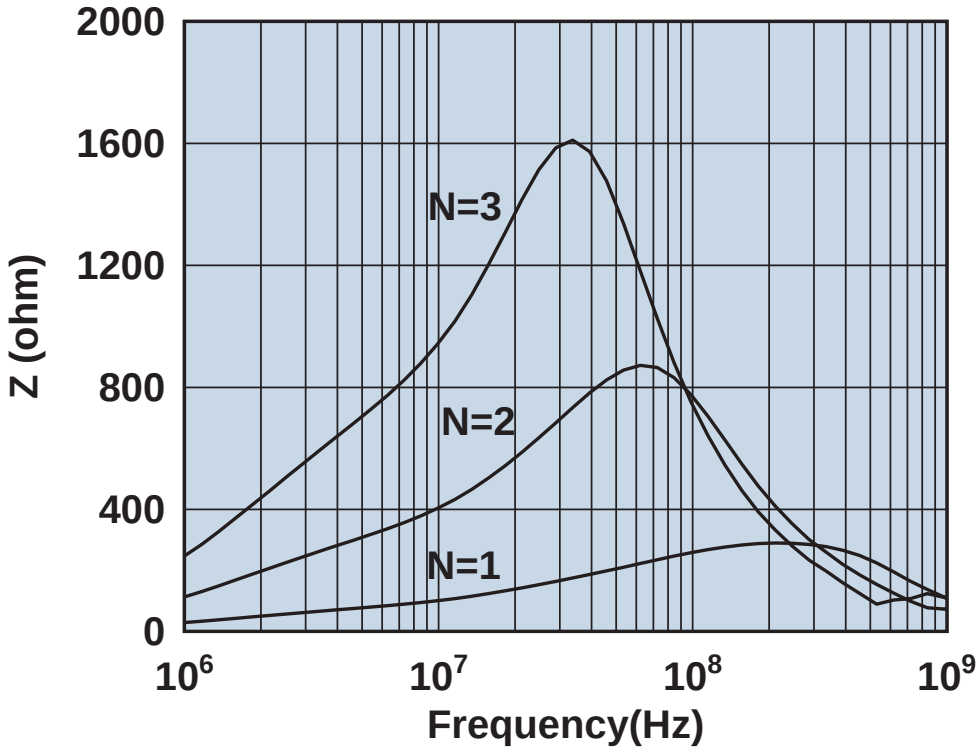


Impedance vs. frequency with one, two, and three turns.

2631102002

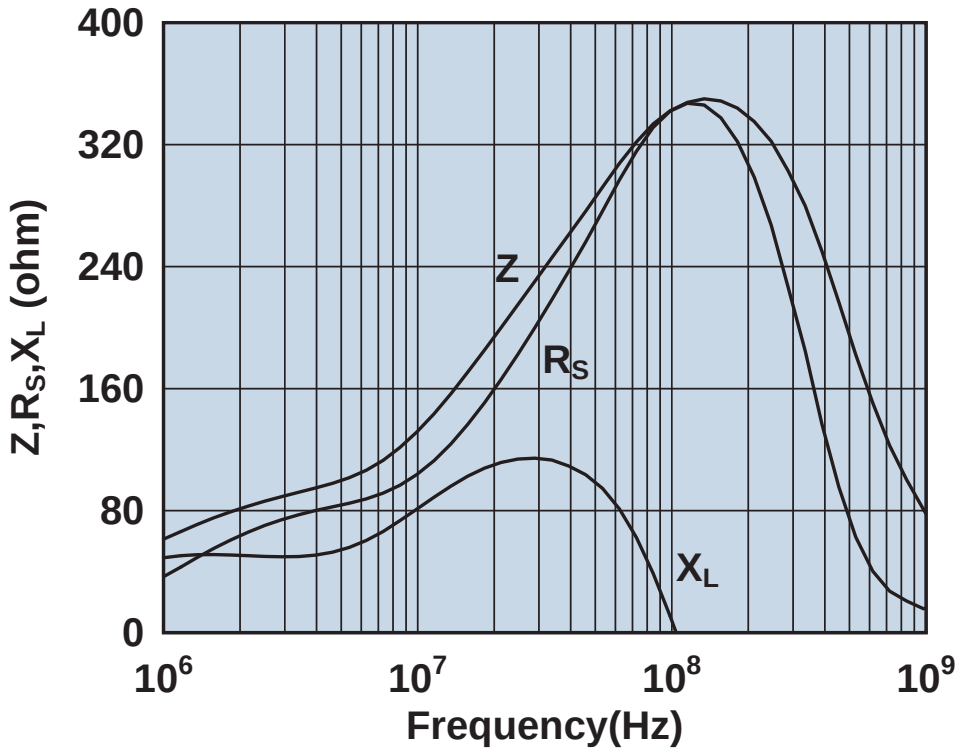


Impedance, reactance, and resistance vs. frequency.

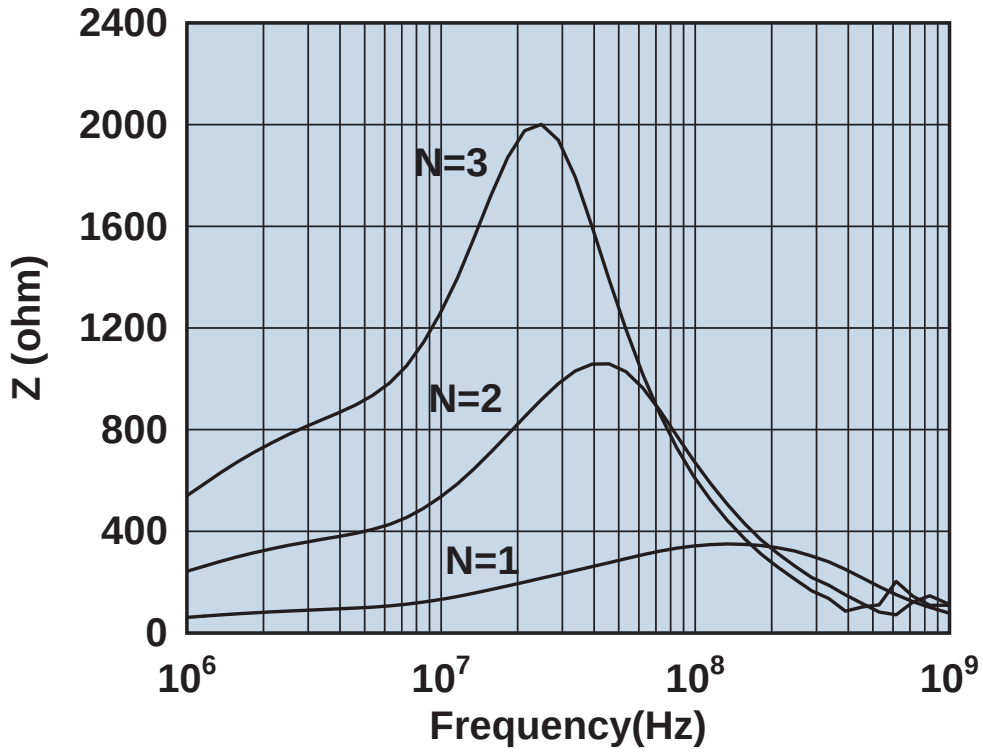


Impedance vs. frequency with one, two, and three turns.

2631103002

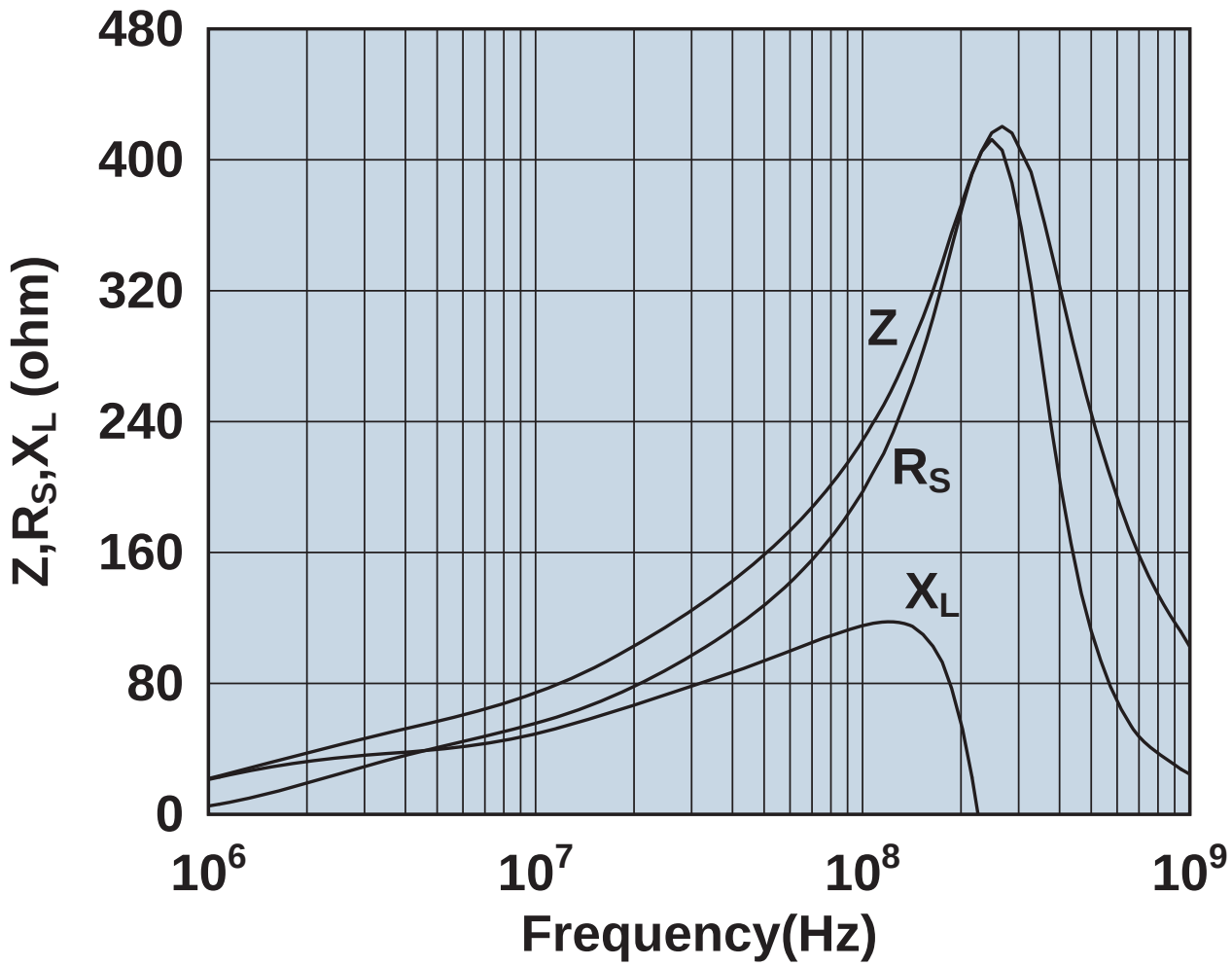


Impedance, reactance, and resistance vs. frequency.



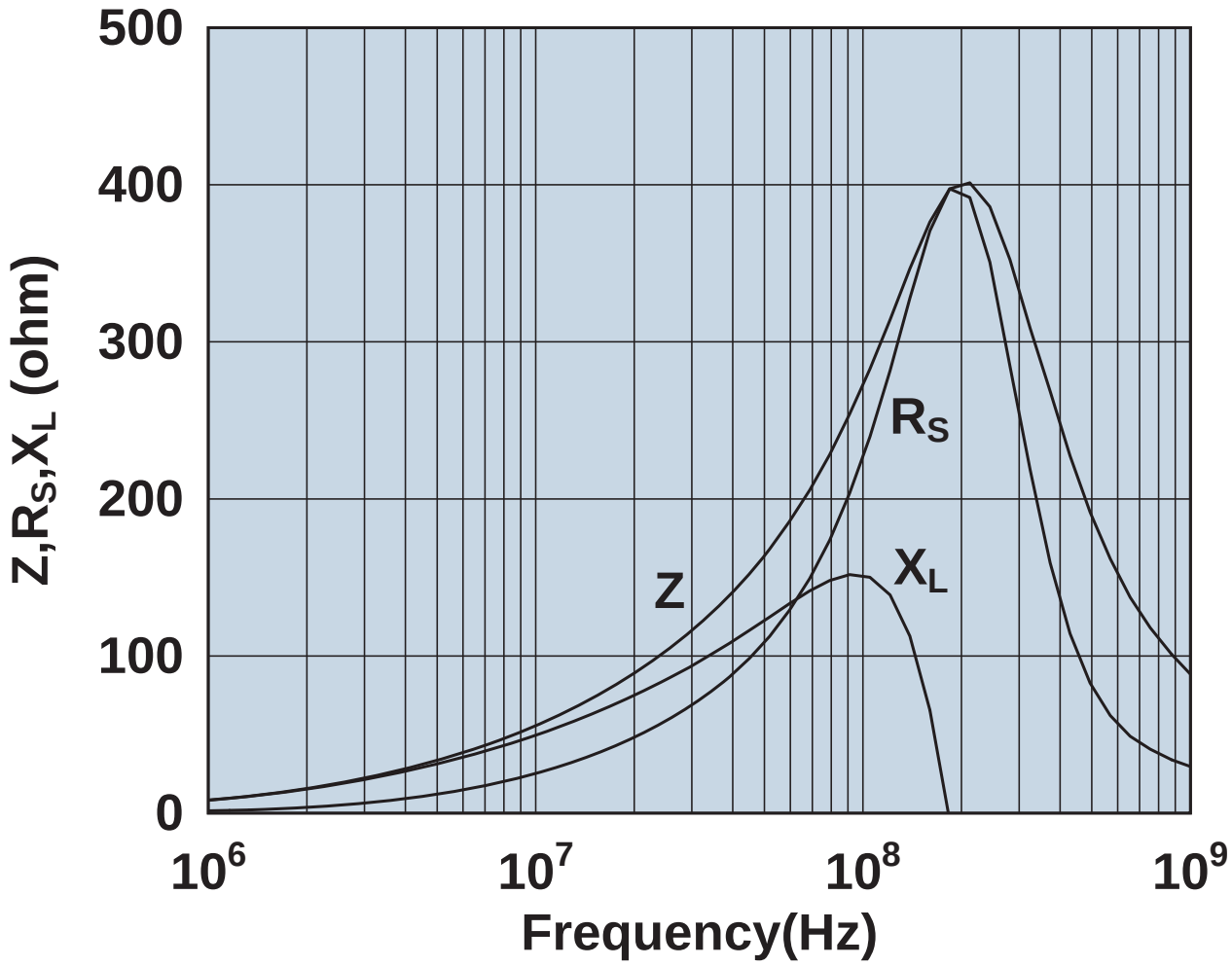
Impedance vs. frequency with one, two, and three turns.

2631163851



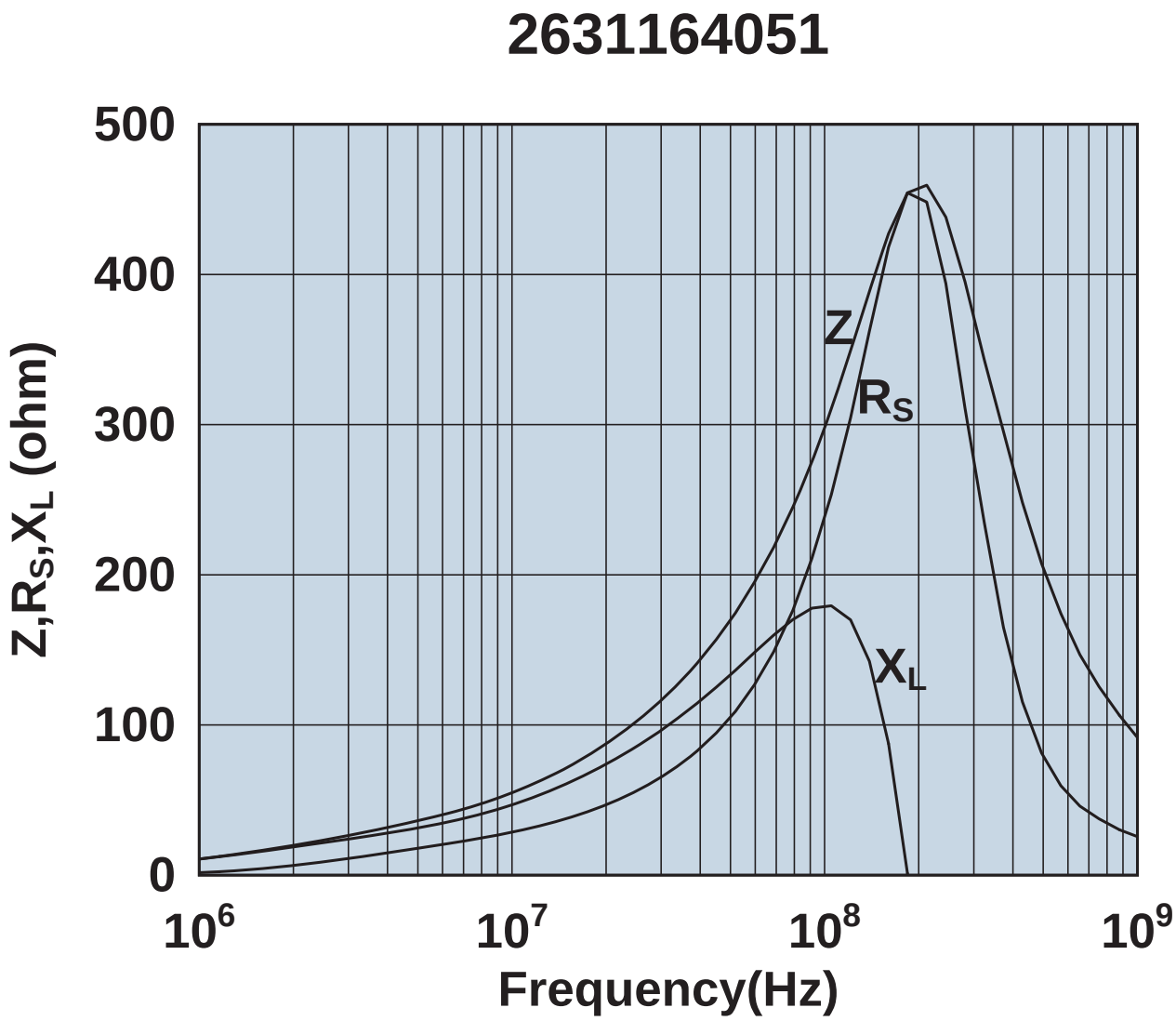
Impedance, reactance, and resistance vs. frequency.

2631163951



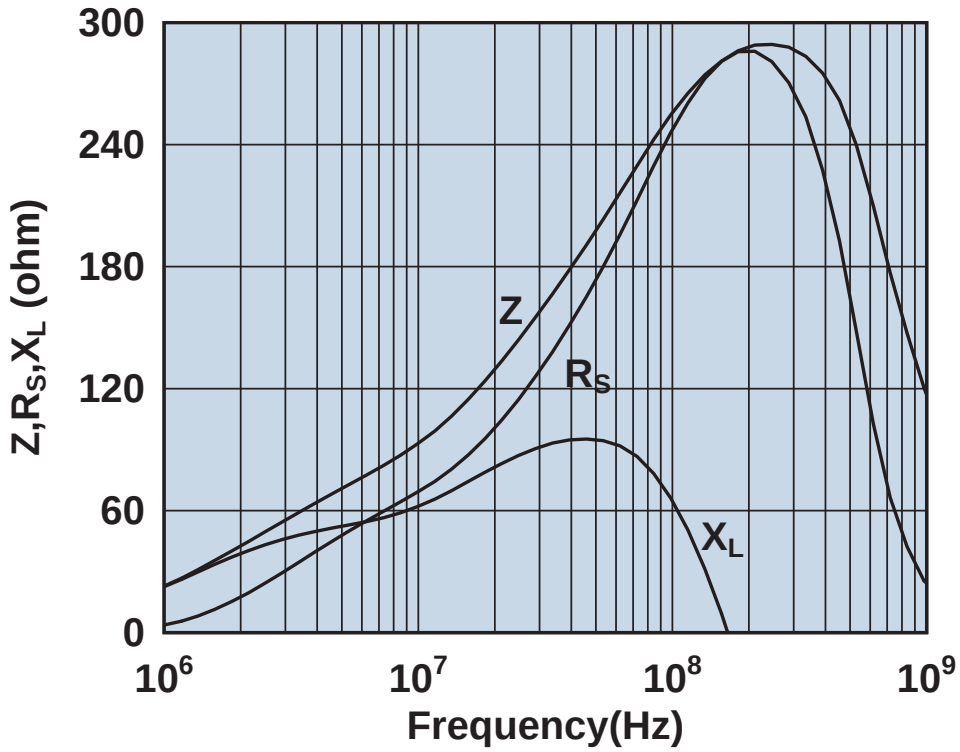
Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

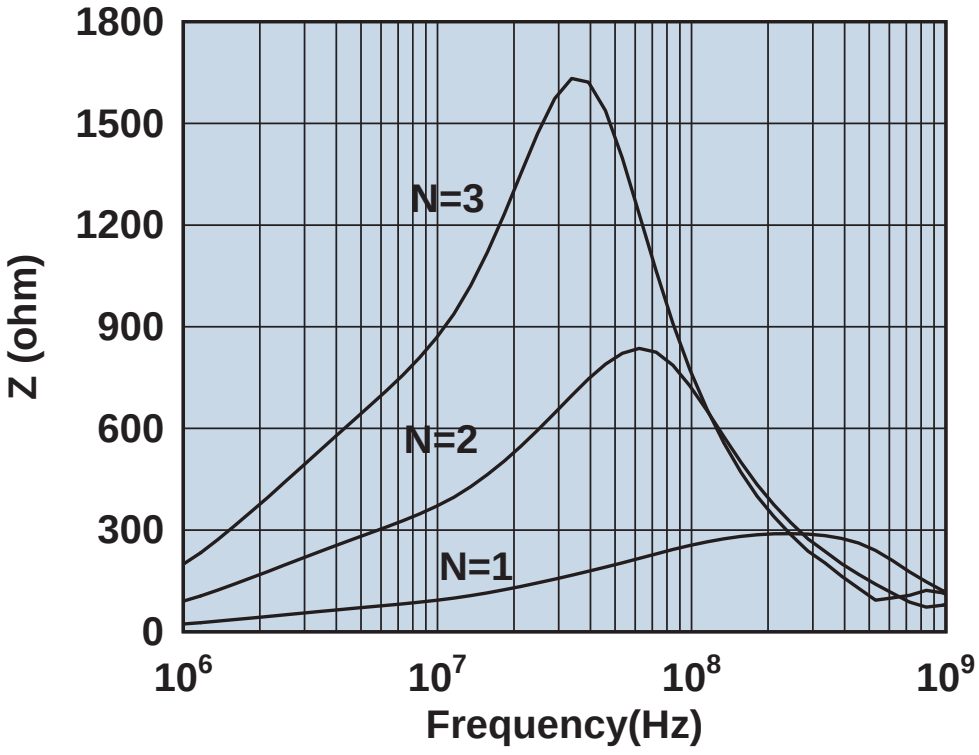


Impedance, reactance, and resistance vs. frequency.

2631164181

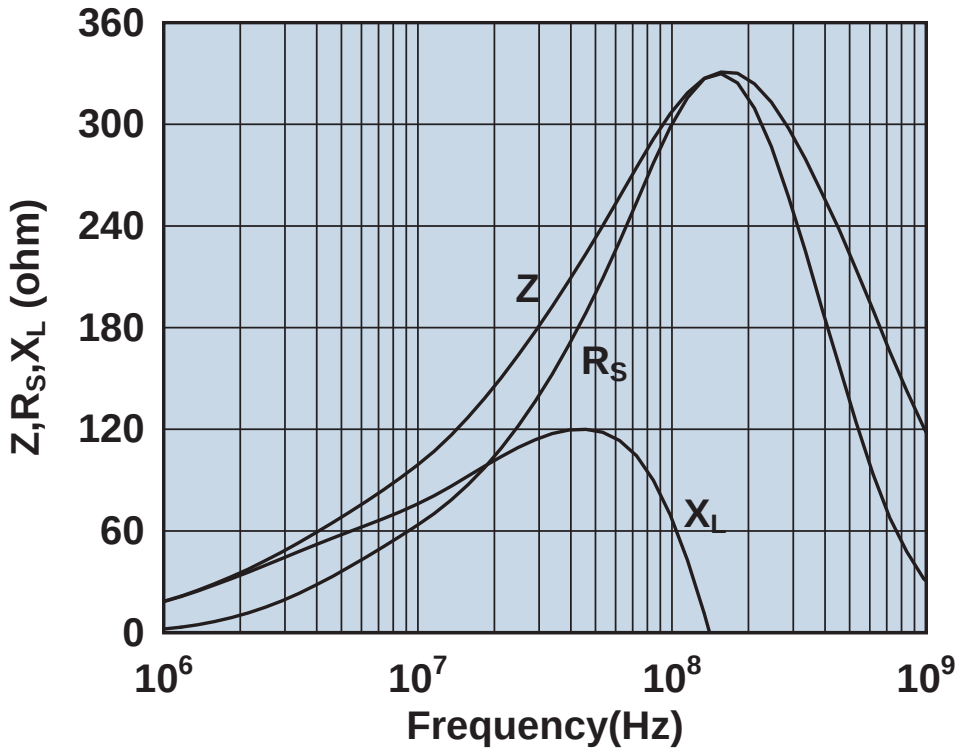


Impedance, reactance, and resistance vs. frequency.

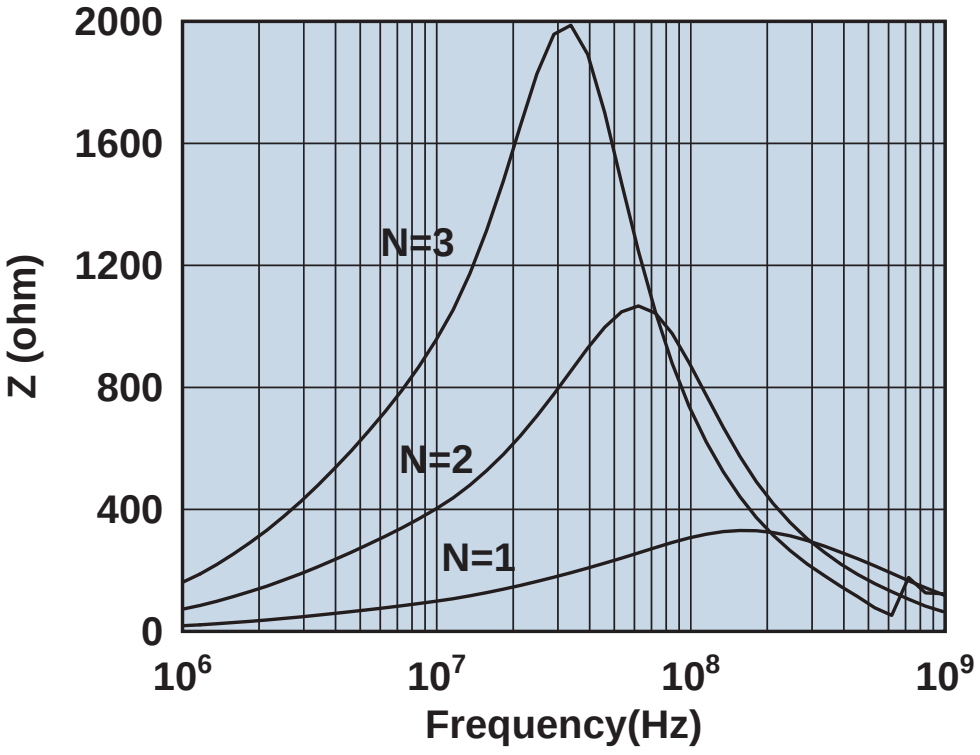


Impedance vs. frequency with one, two, and three turns.

2631164281

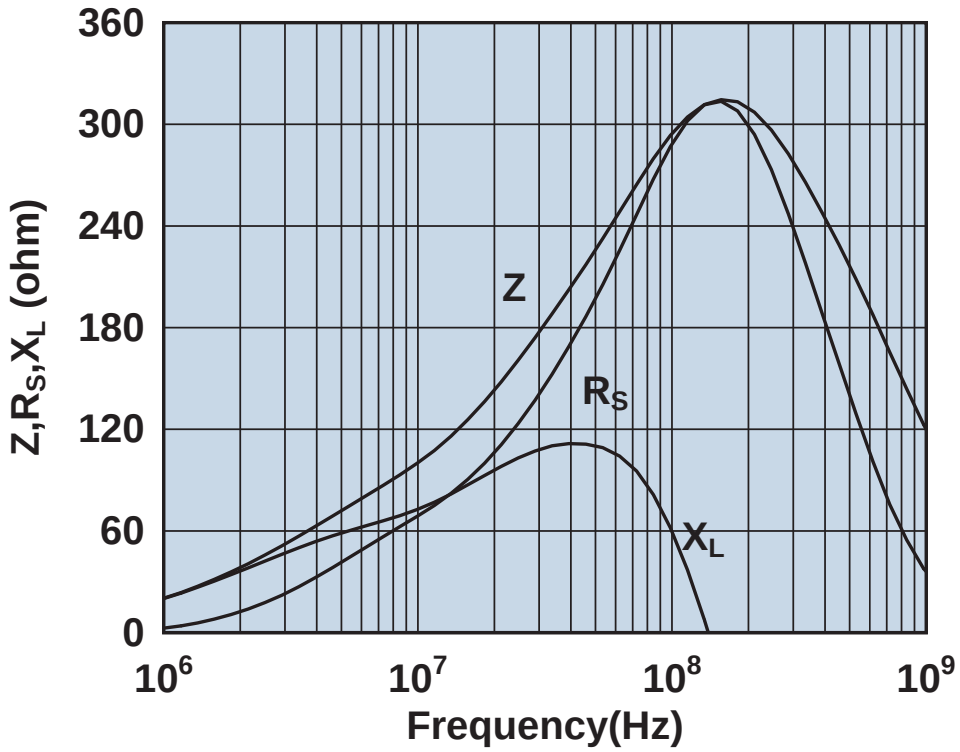


Impedance, reactance, and resistance vs. frequency.

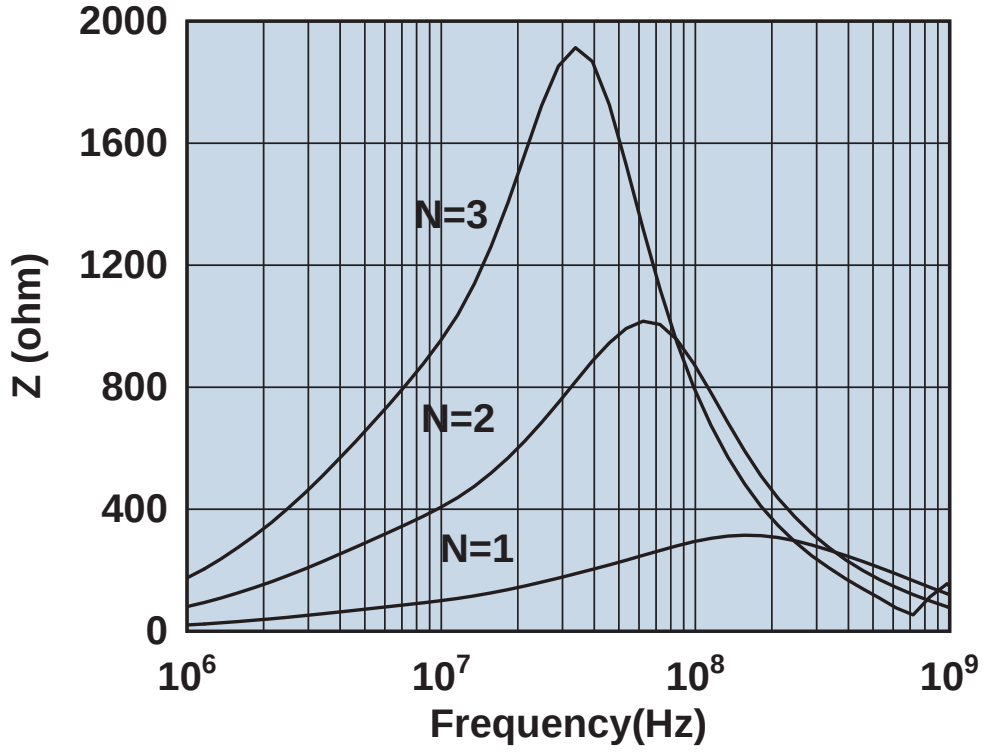


Impedance vs. frequency with one, two, and three turns.

2631164951

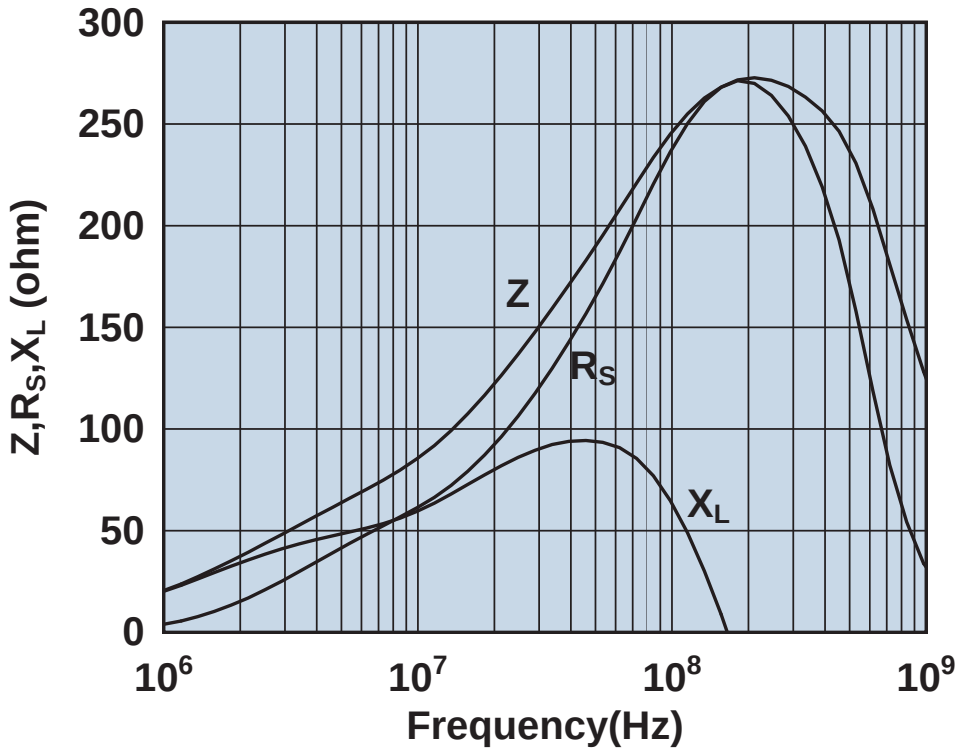


Impedance, reactance, and resistance vs. frequency.

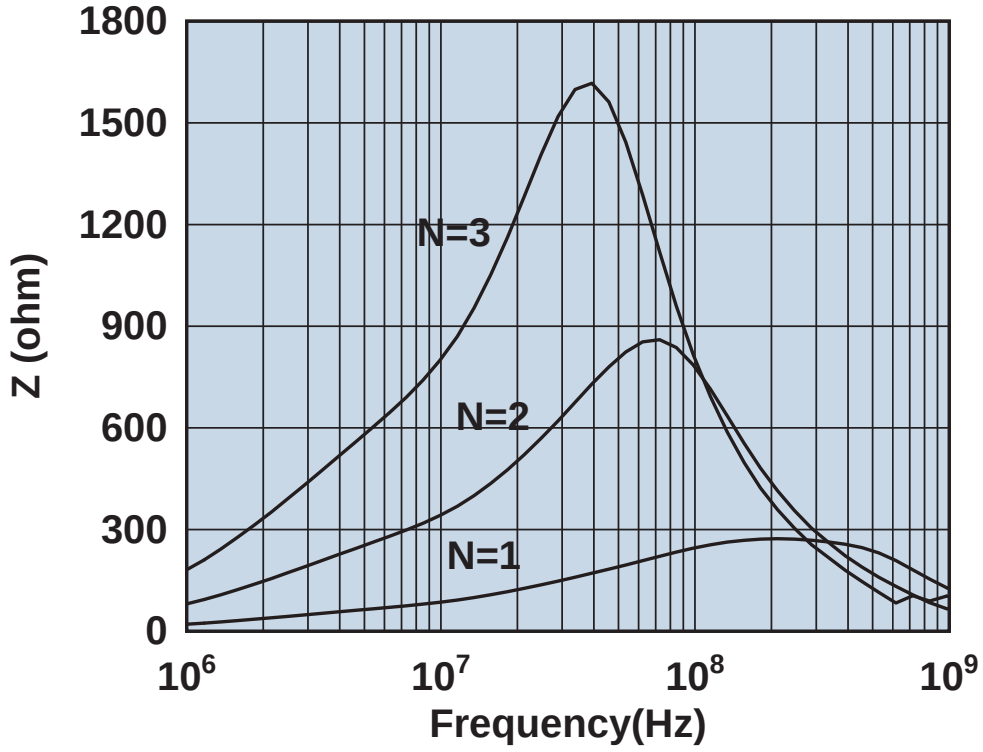


Impedance vs. frequency with one, two, and three turns.

2631167281

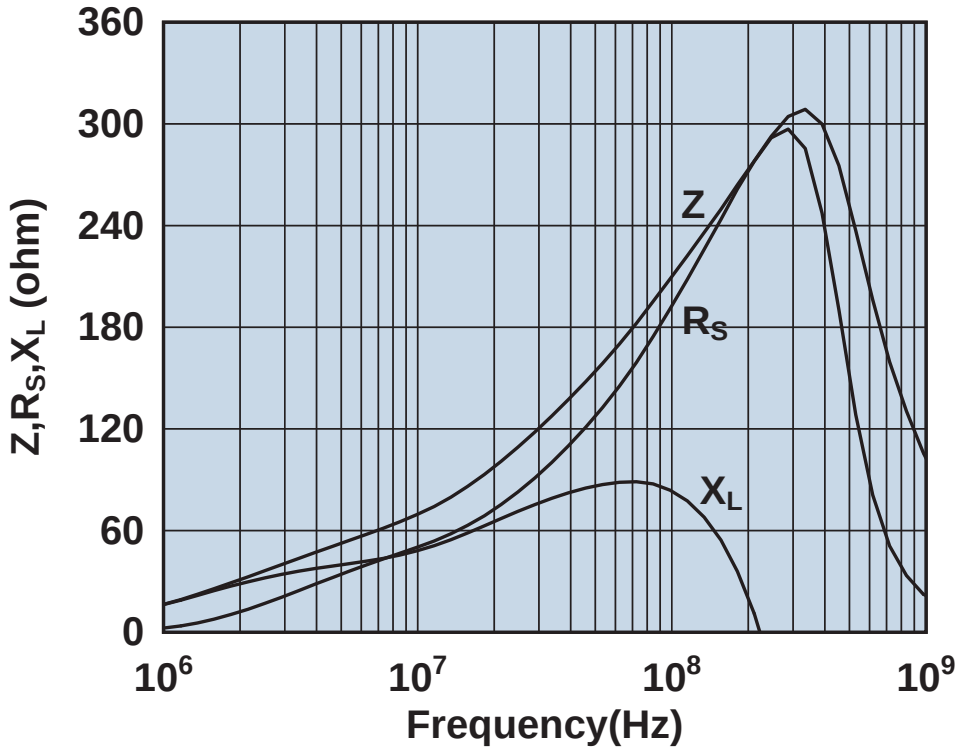


Impedance, reactance, and resistance vs. frequency.

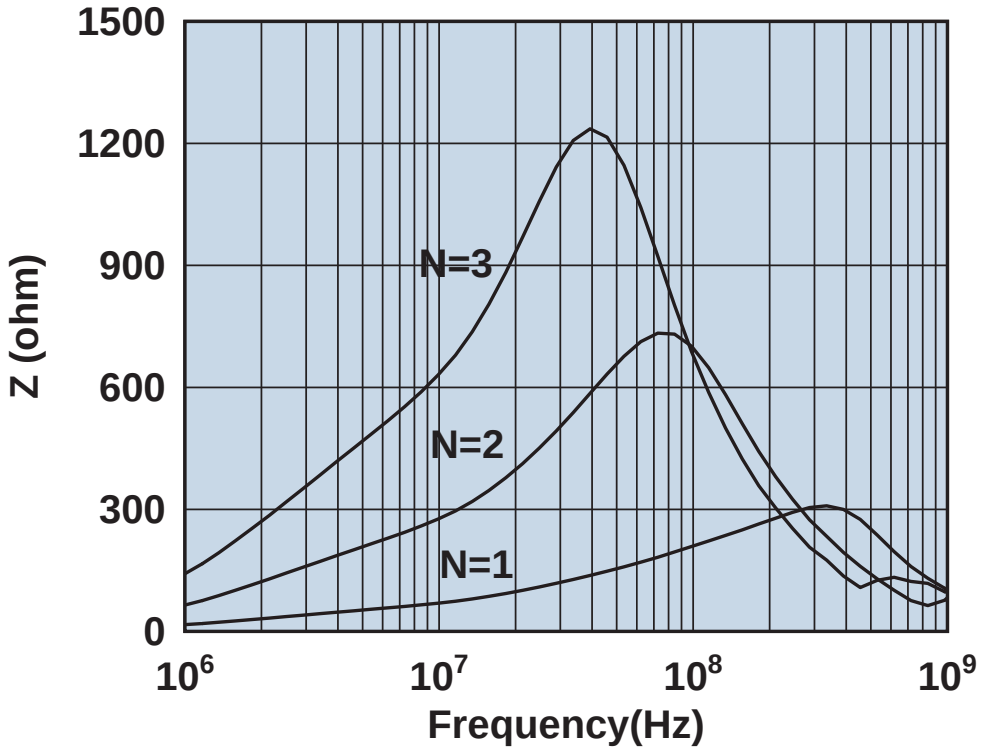


Impedance vs. frequency with one, two, and three turns.

2631173551

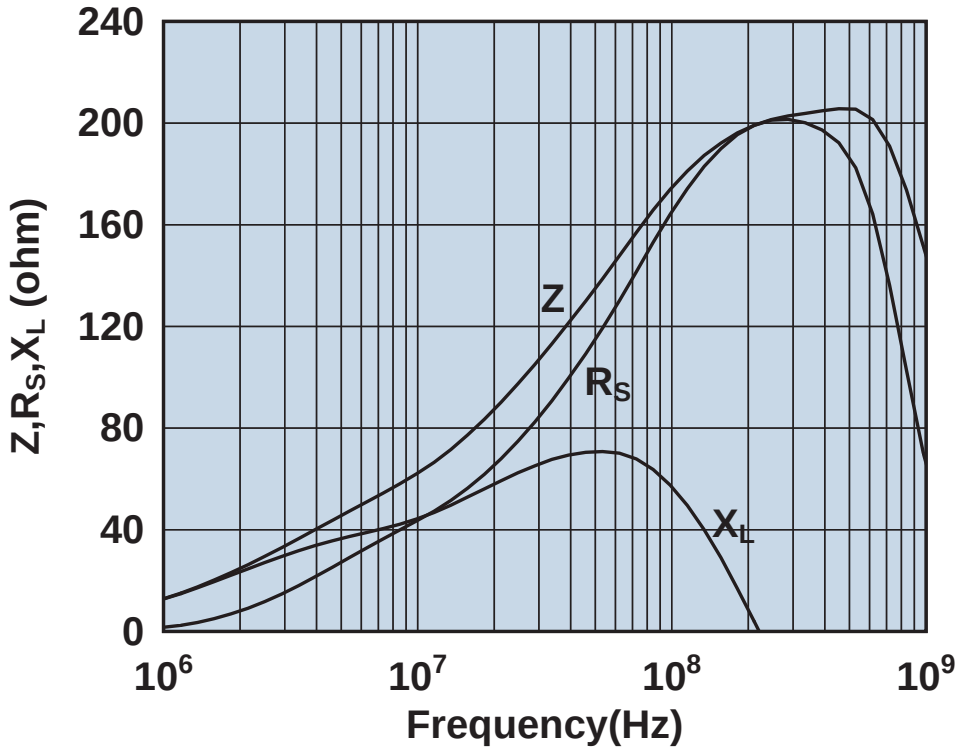


Impedance, reactance, and resistance vs. frequency.

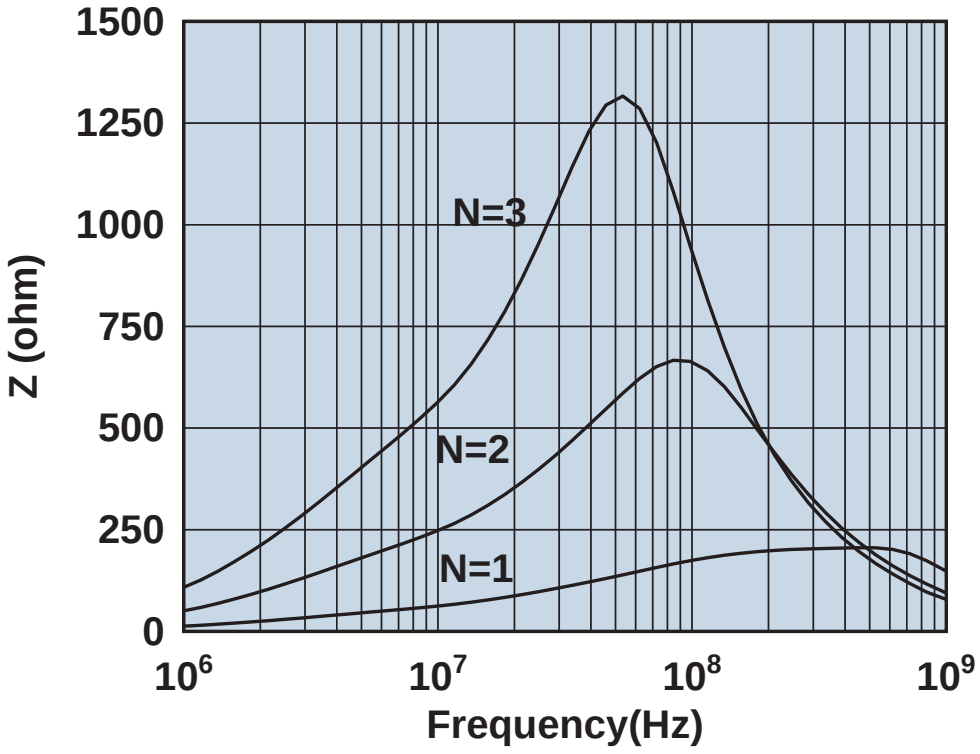


Impedance vs. frequency with one, two, and three turns.

2631173951

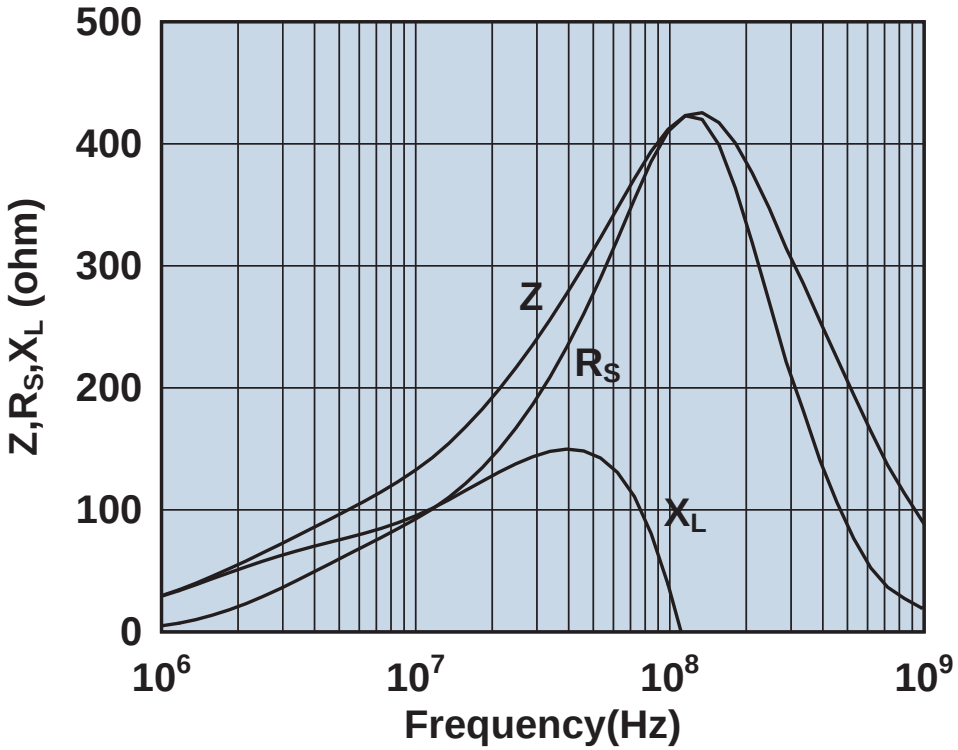


Impedance, reactance, and resistance vs. frequency.

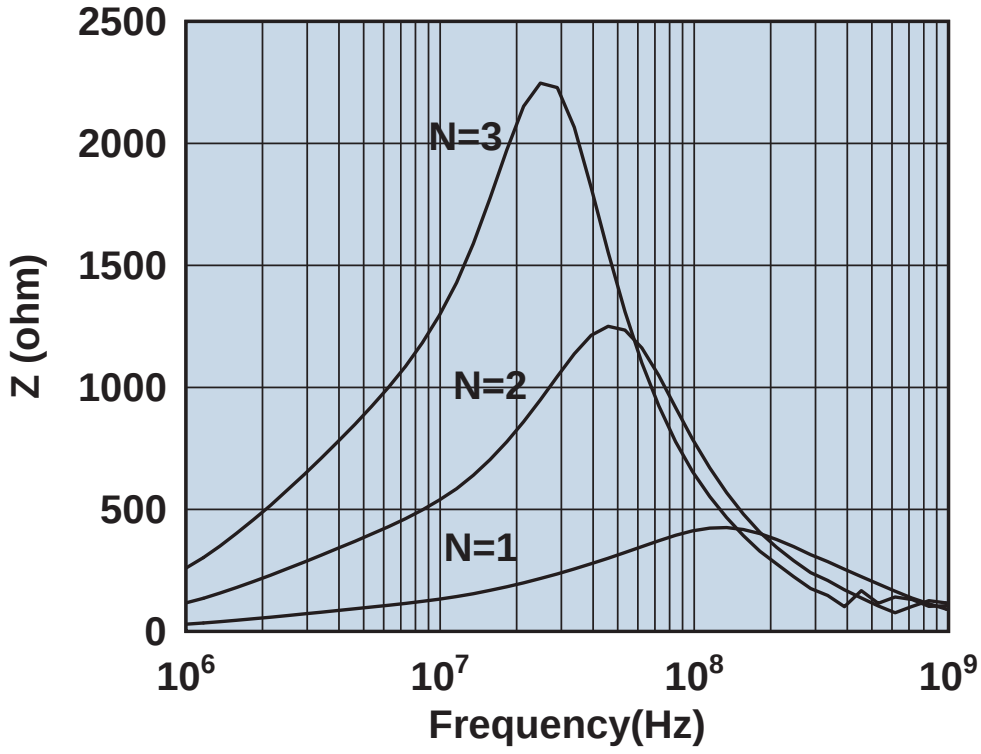


Impedance vs. frequency with one, two, and three turns.

2631176451

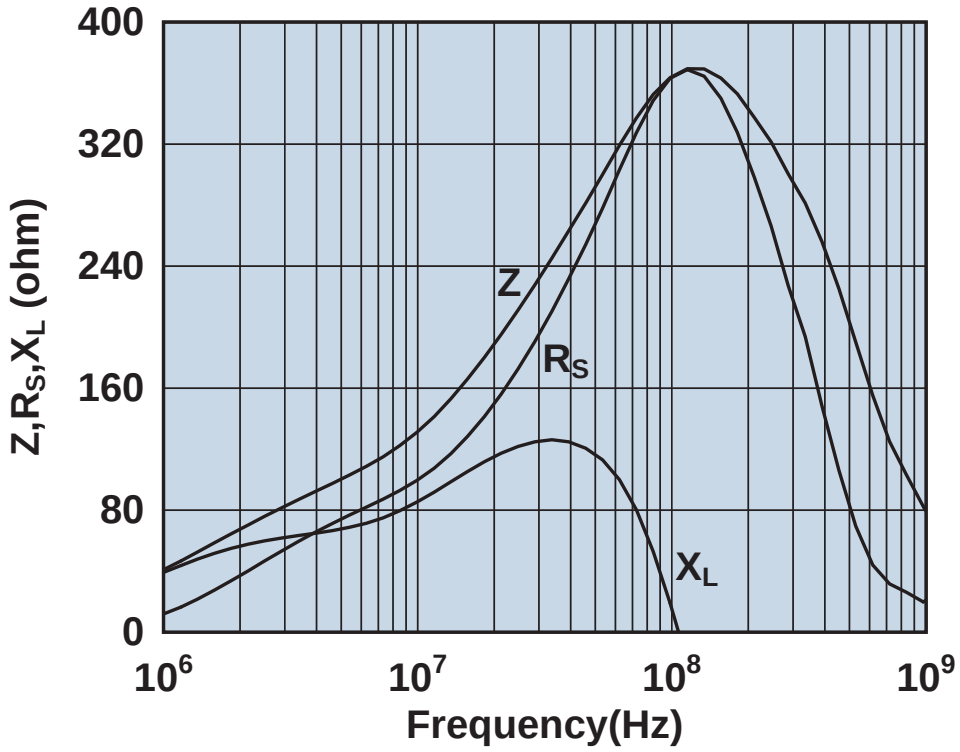


Impedance, reactance, and resistance vs. frequency.

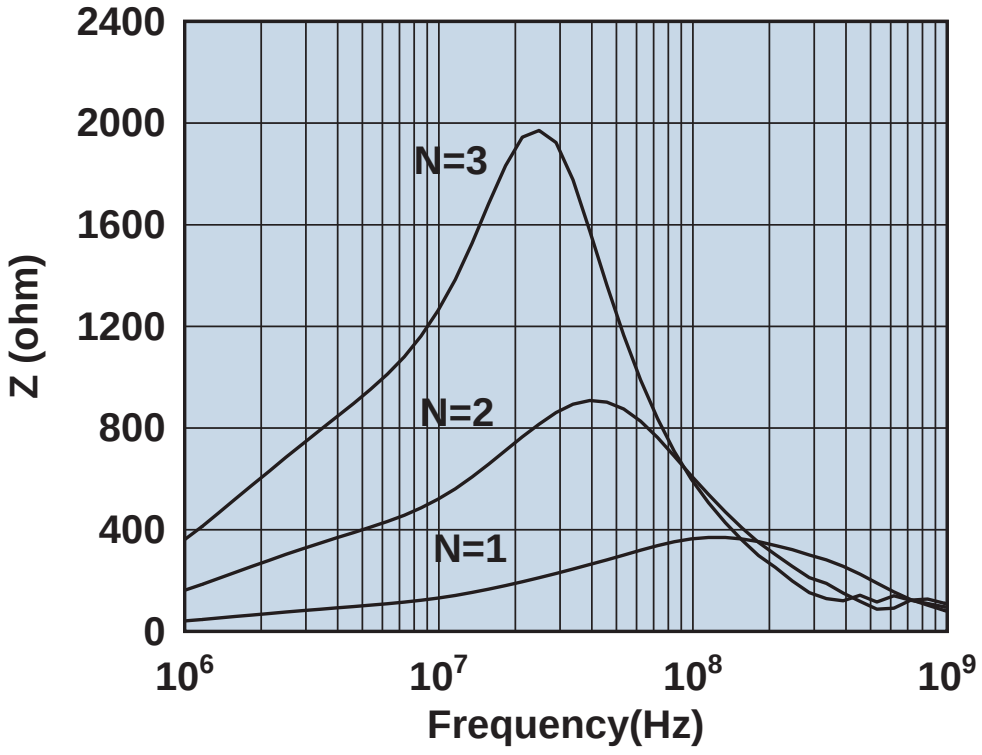


Impedance vs. frequency with one, two, and three turns.

2631177081

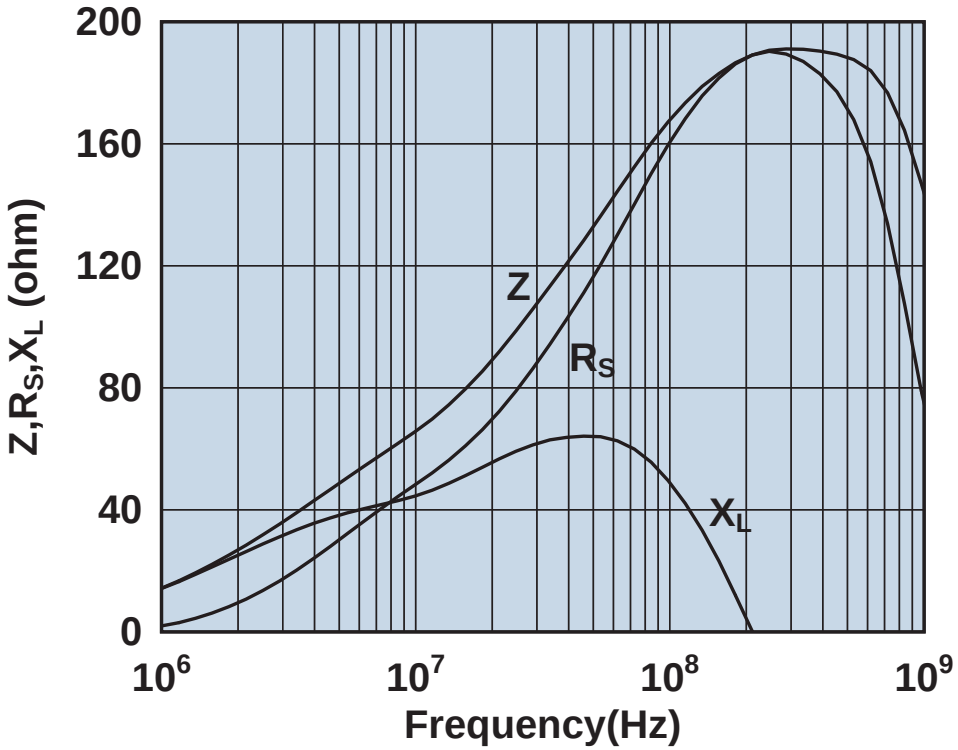


Impedance, reactance, and resistance vs. frequency.

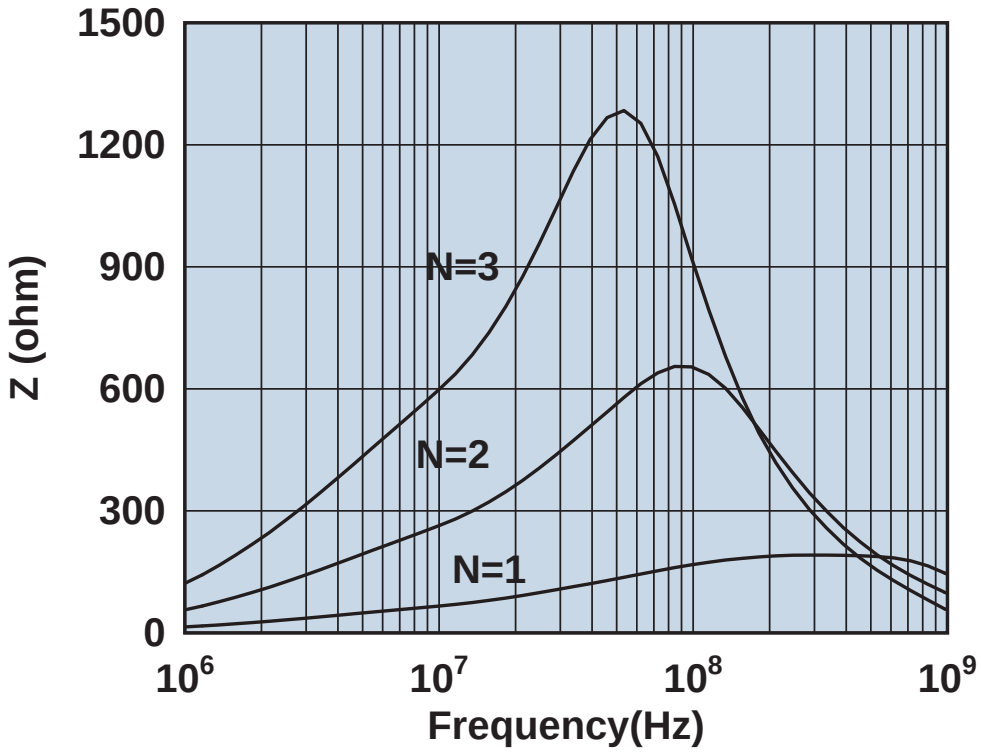


Impedance vs. frequency with one, two, and three turns.

2631178181

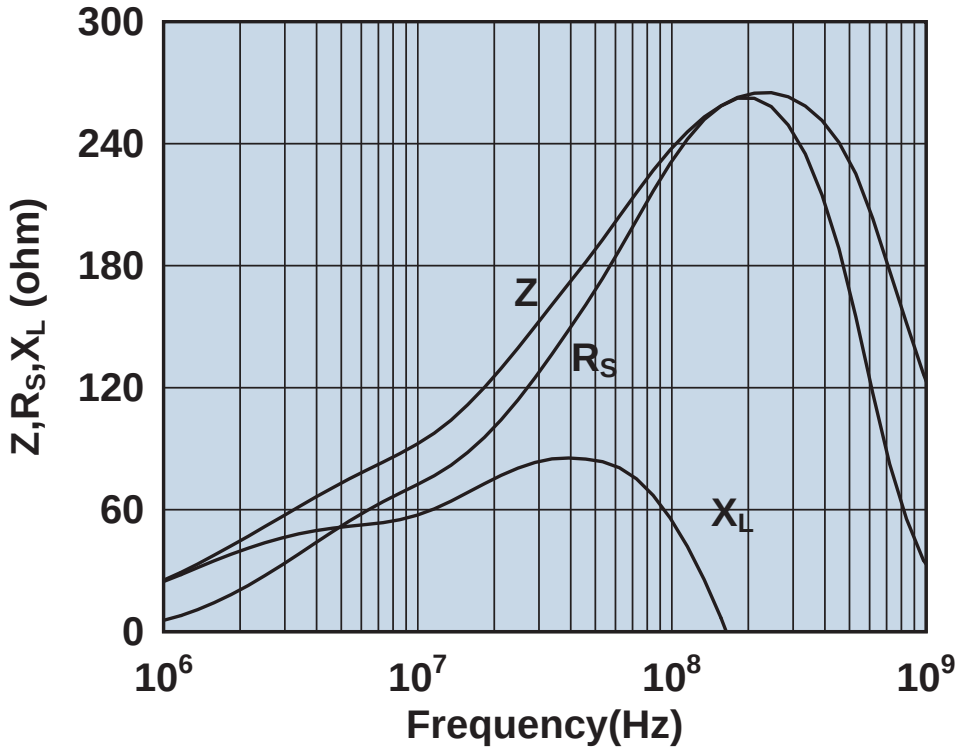


Impedance, reactance, and resistance vs. frequency.

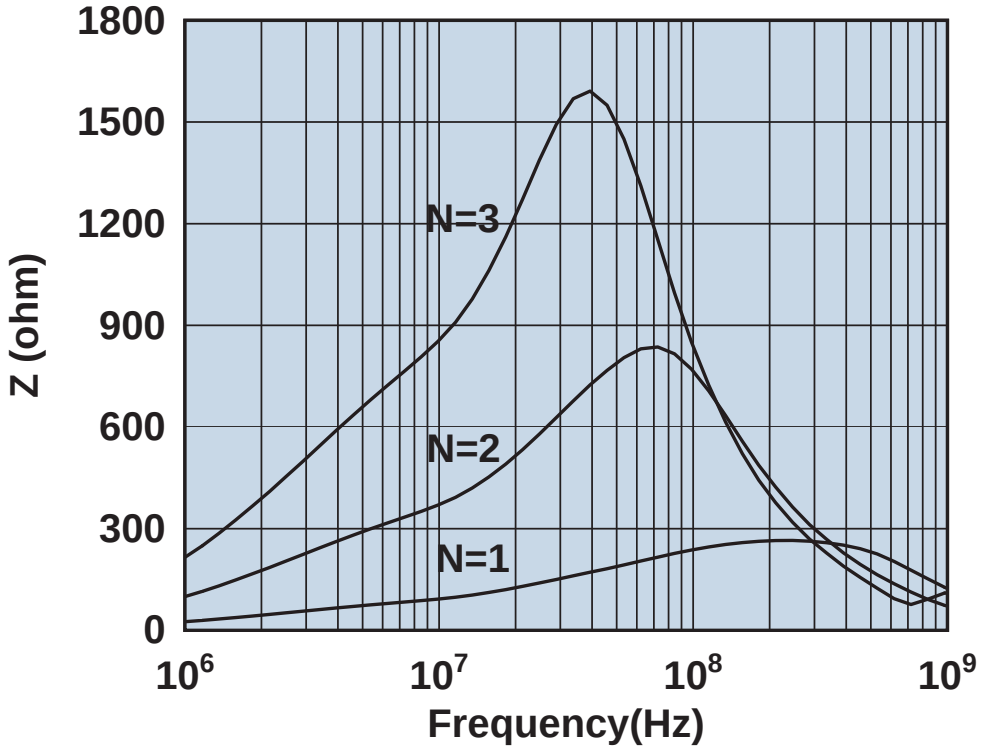


Impedance vs. frequency with one, two, and three turns.

2631178281

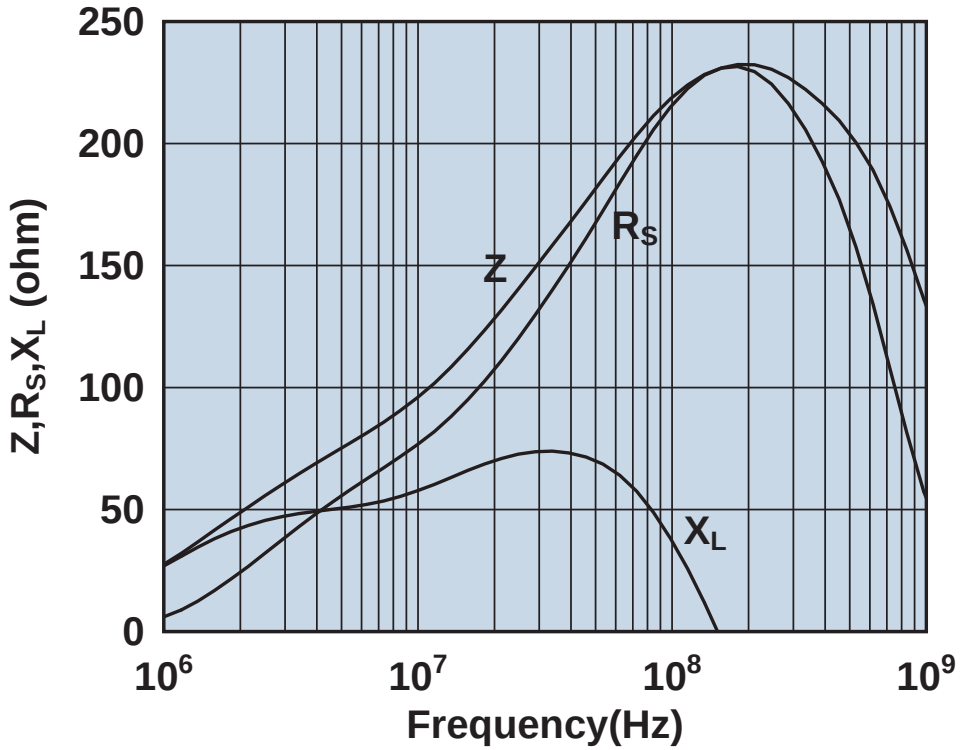


Impedance, reactance, and resistance vs. frequency.

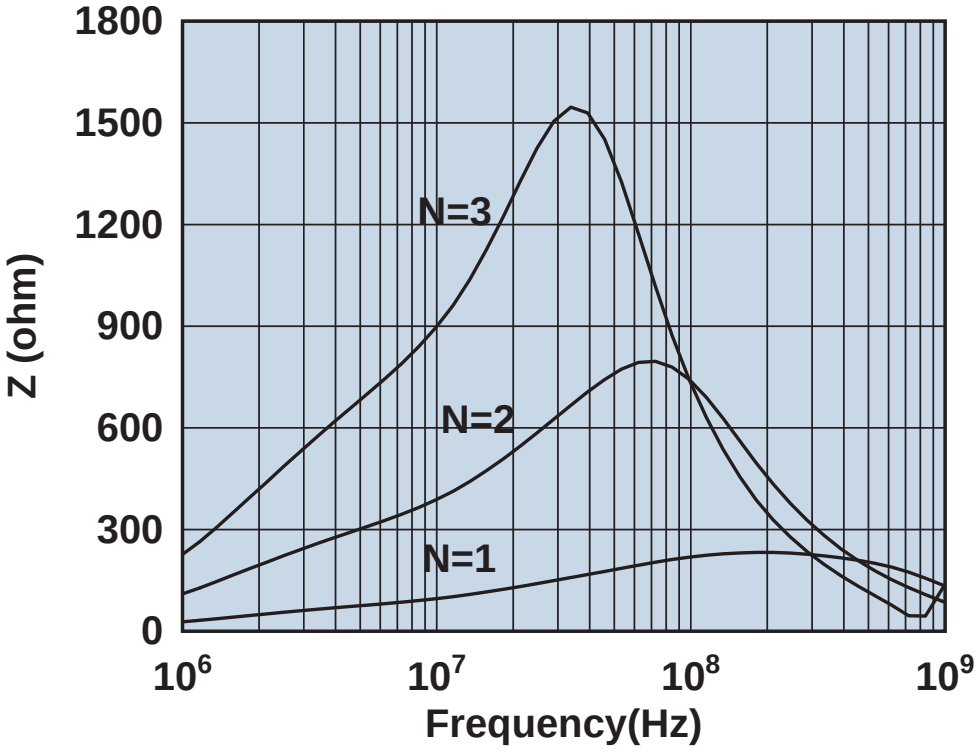


Impedance vs. frequency with one, two, and three turns.

2631250202

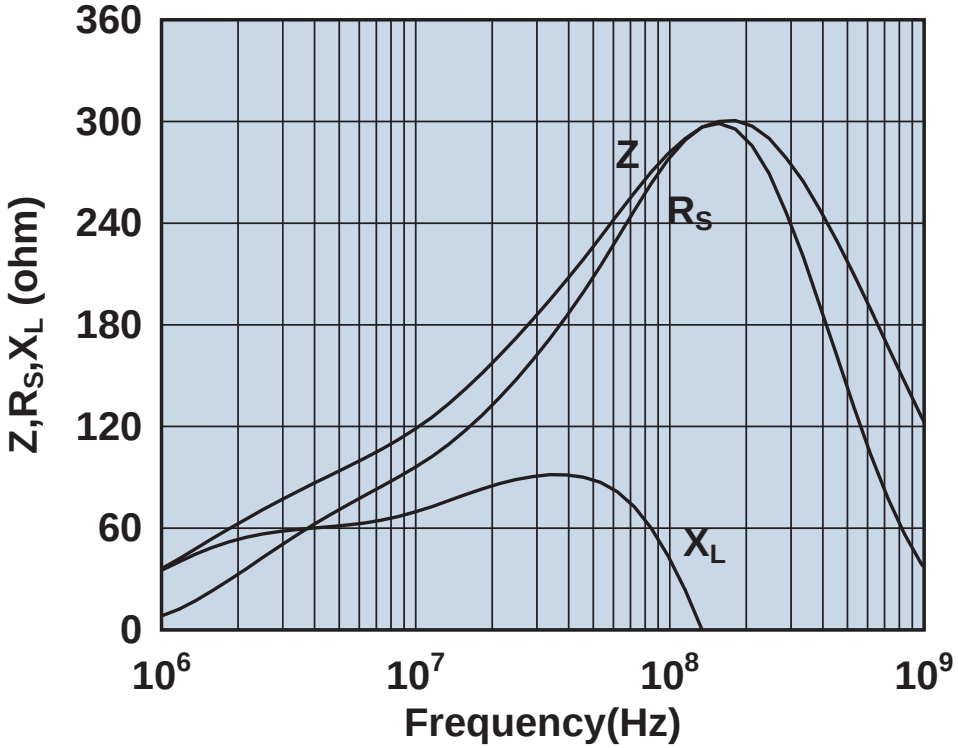


Impedance, reactance, and resistance vs. frequency.

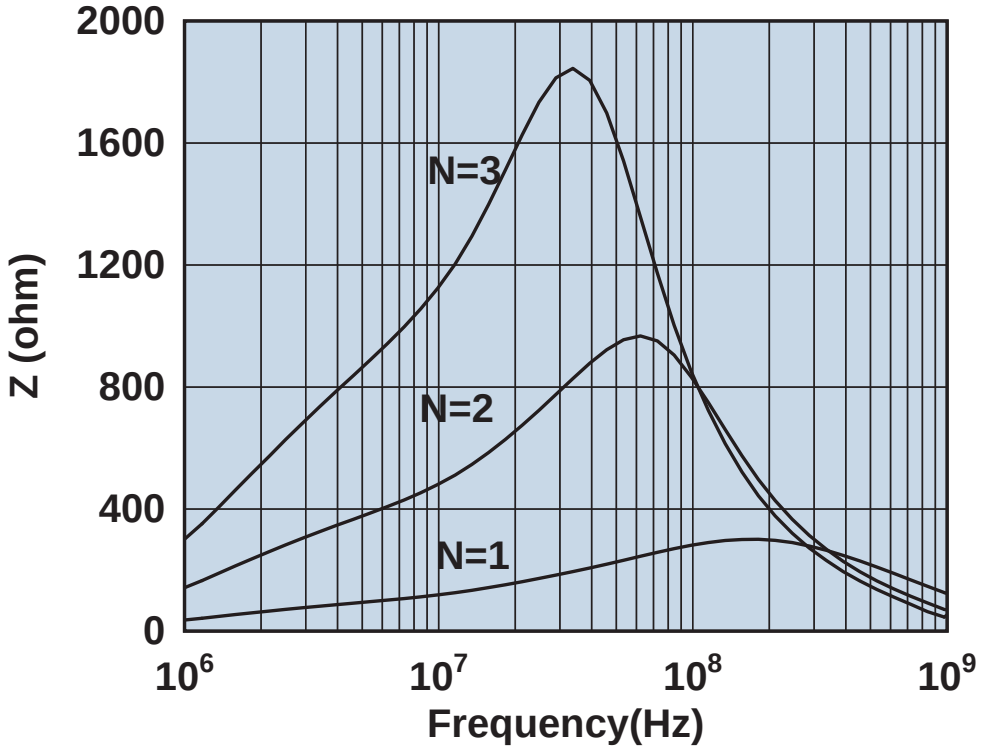


Impedance vs. frequency with one, two, and three turns.

2631480002

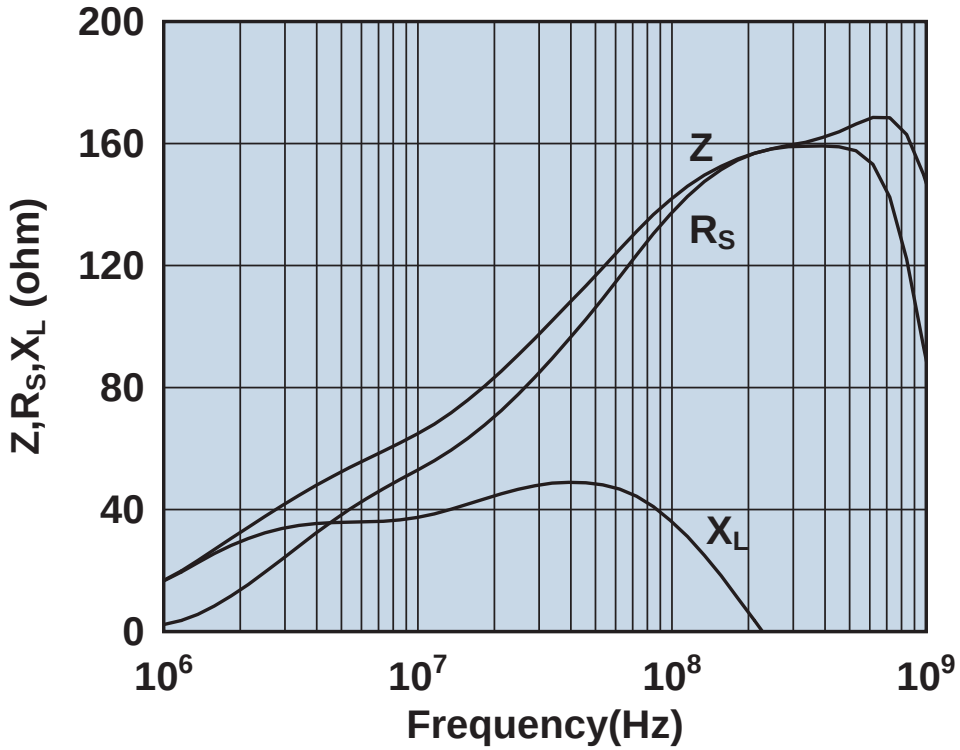


Impedance, reactance, and resistance vs. frequency.

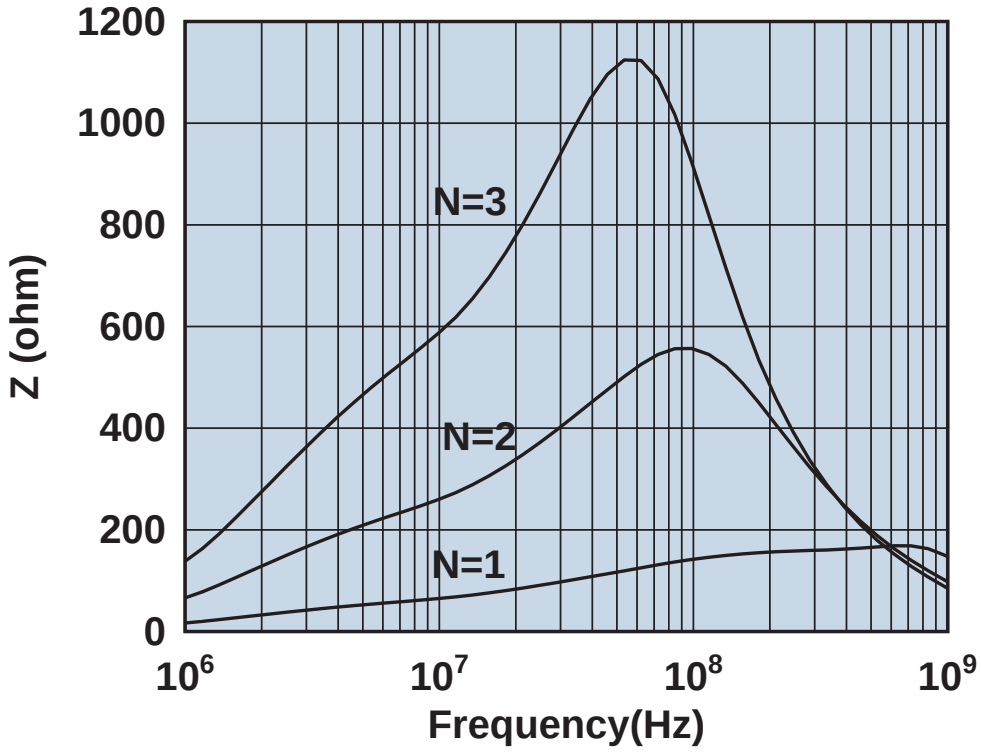


Impedance vs. frequency with one, two, and three turns.

2631480102

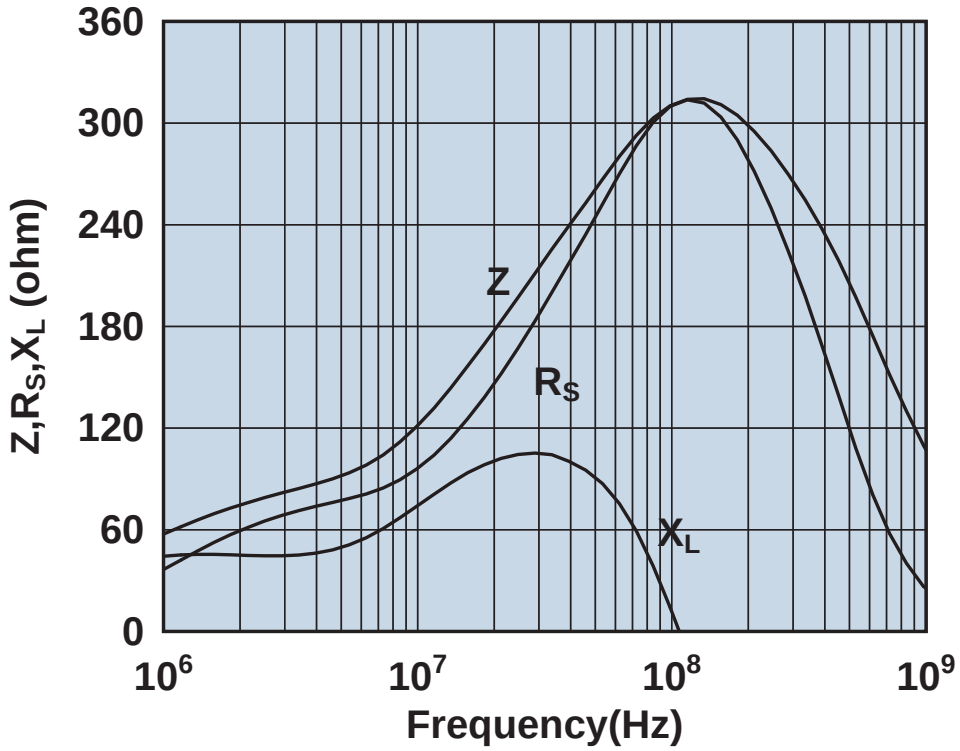


Impedance, reactance, and resistance vs. frequency.

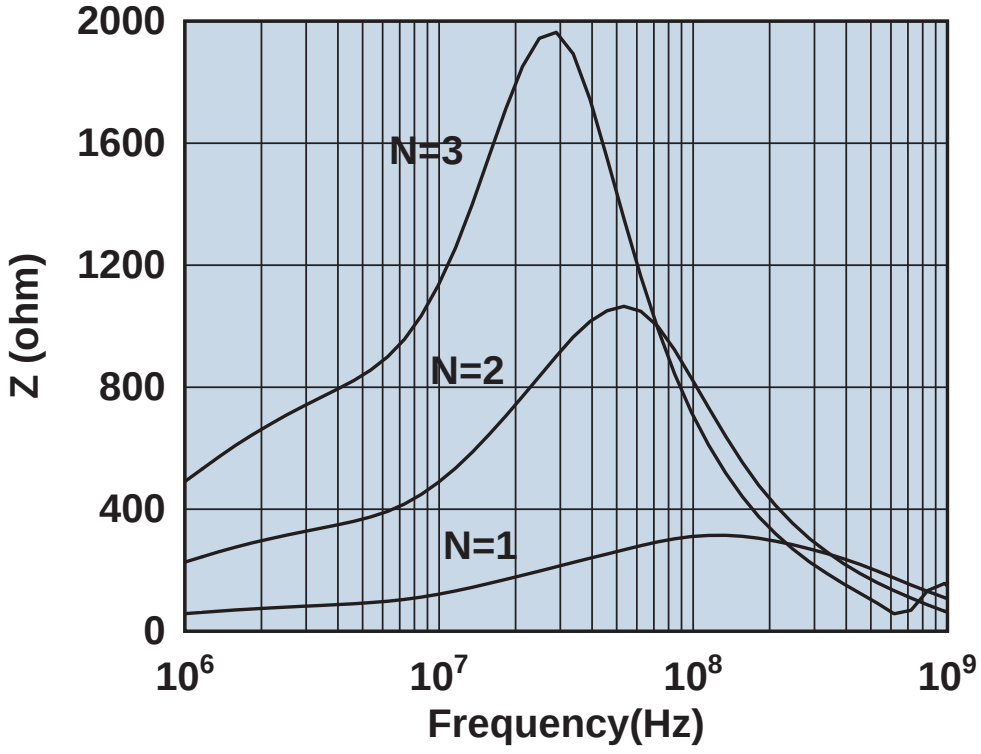


Impedance vs. frequency with one, two, and three turns.

2631540002

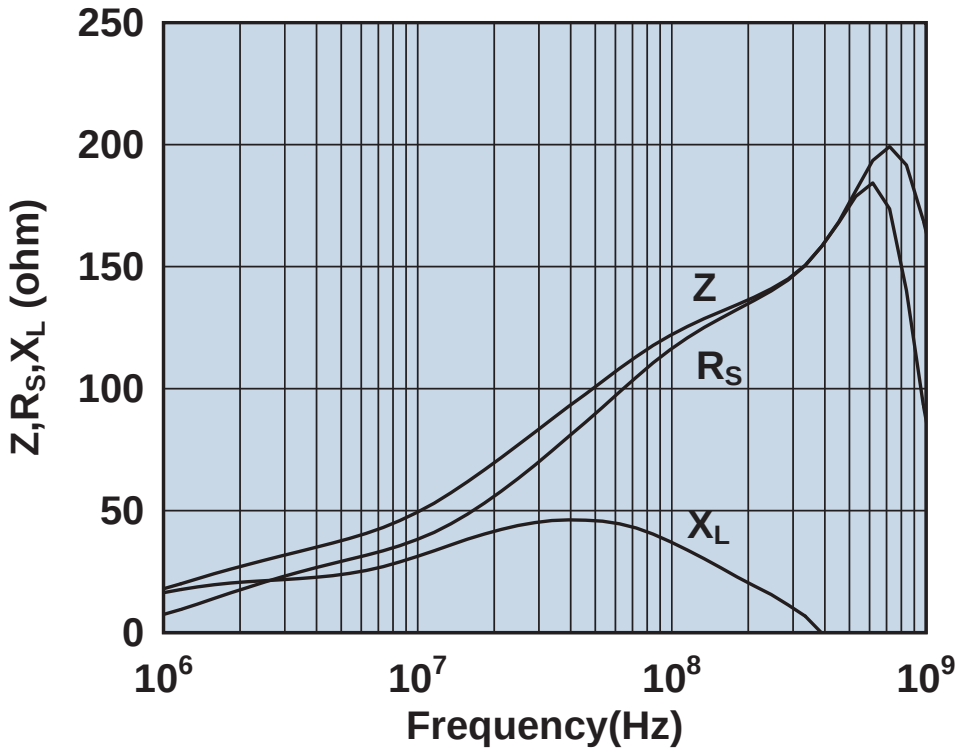


Impedance, reactance, and resistance vs. frequency.

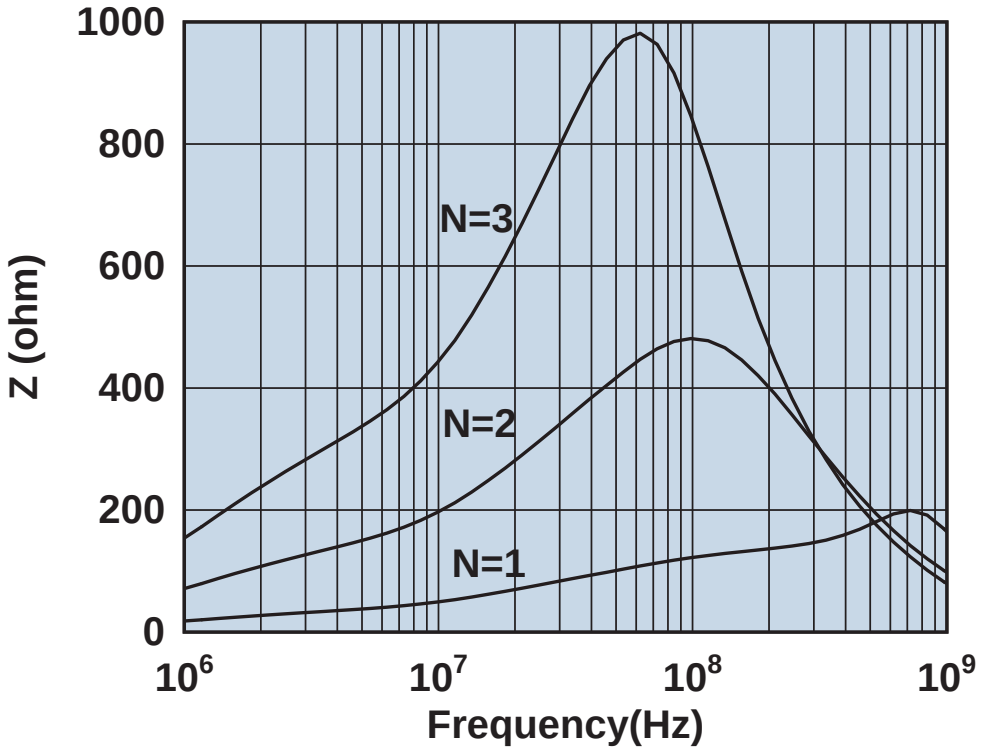


Impedance vs. frequency with one, two, and three turns.

2631540202

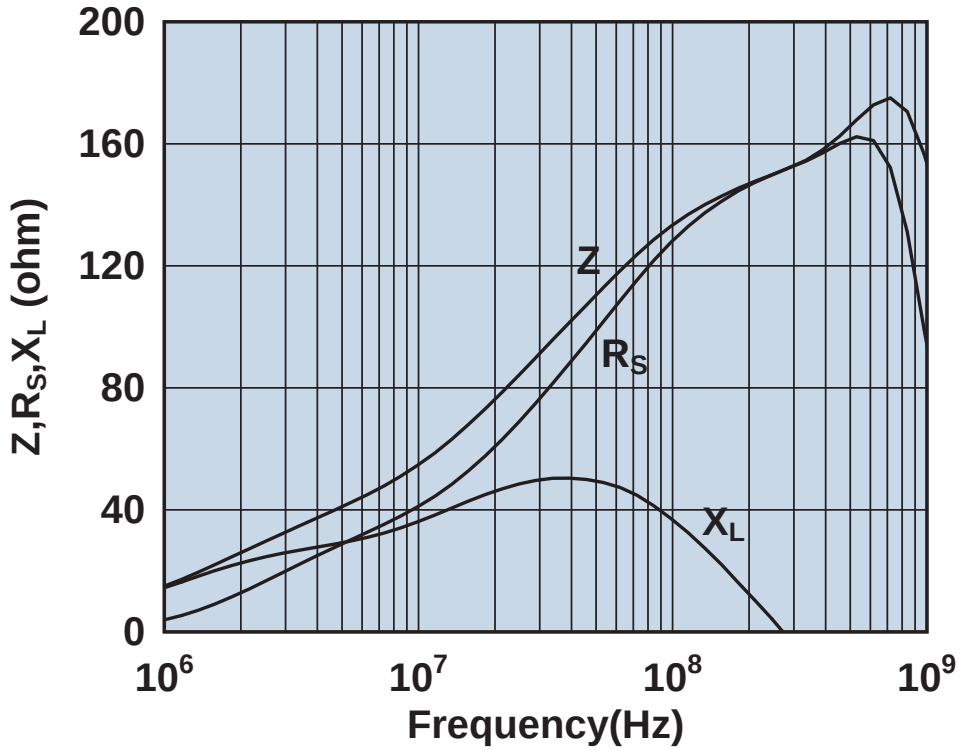


Impedance, reactance, and resistance vs. frequency.

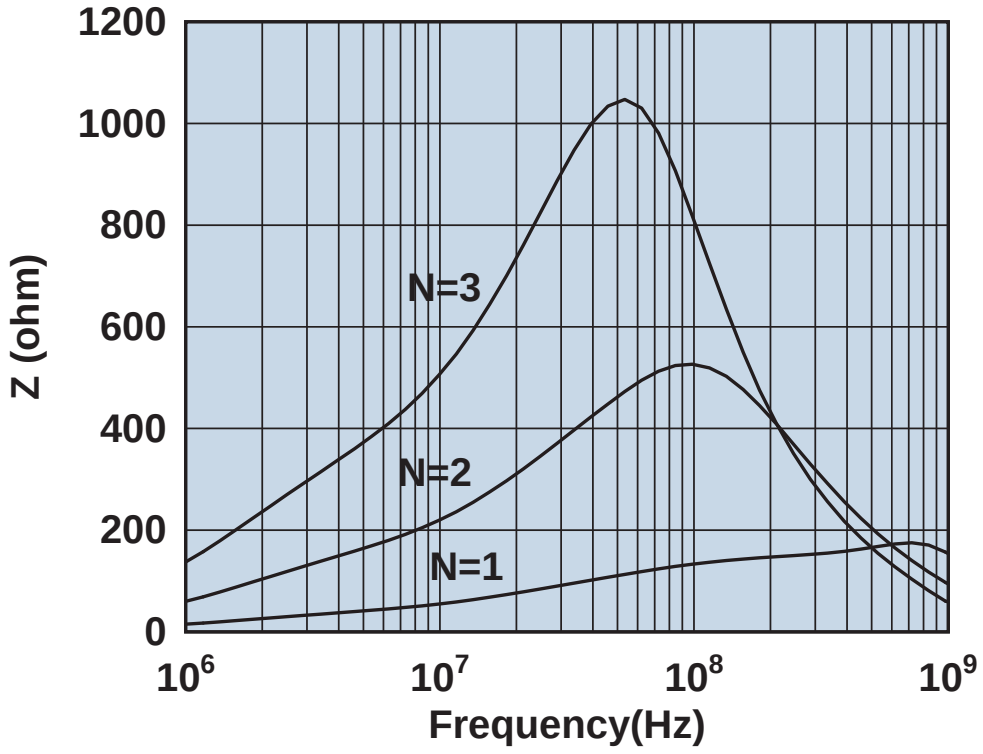


Impedance vs. frequency with one, two, and three turns.

2631625002

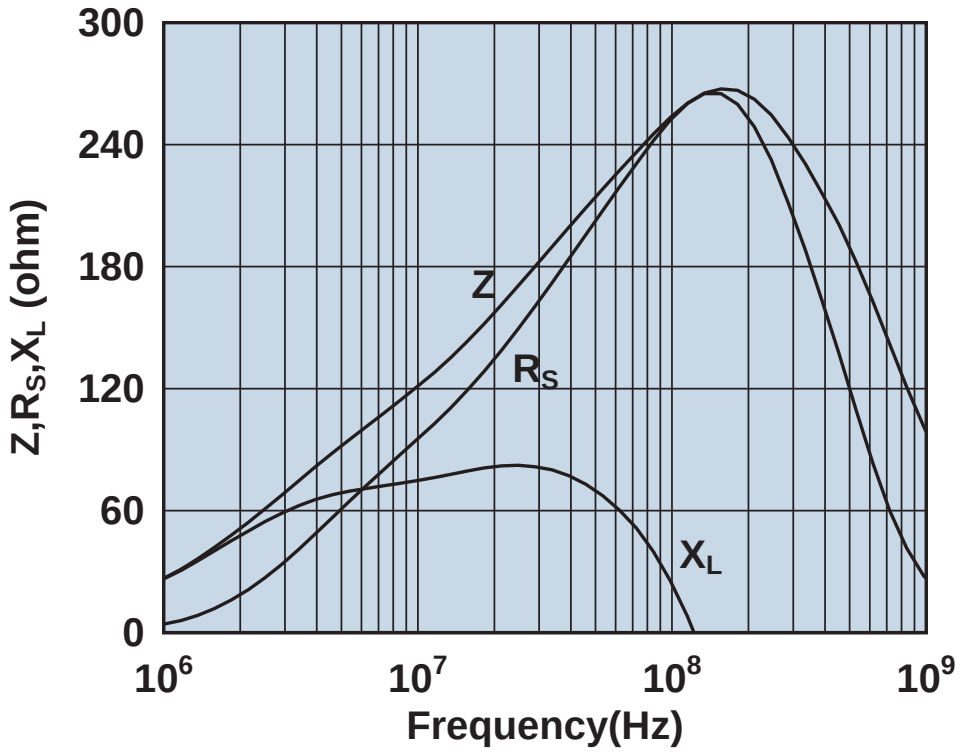


Impedance, reactance, and resistance vs. frequency.

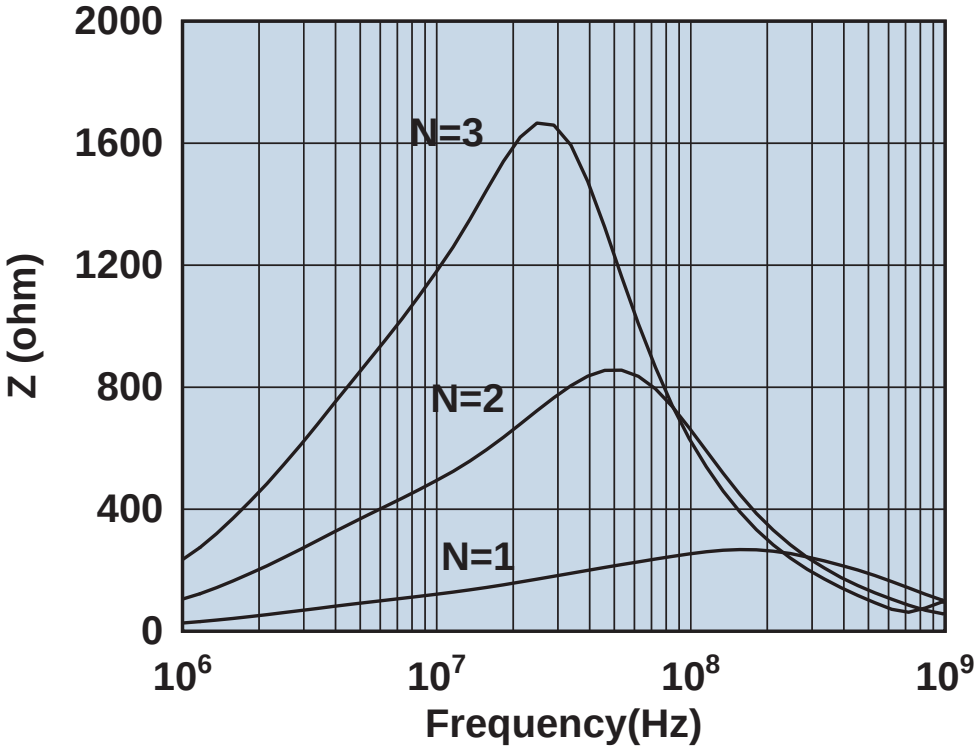


Impedance vs. frequency with one, two, and three turns.

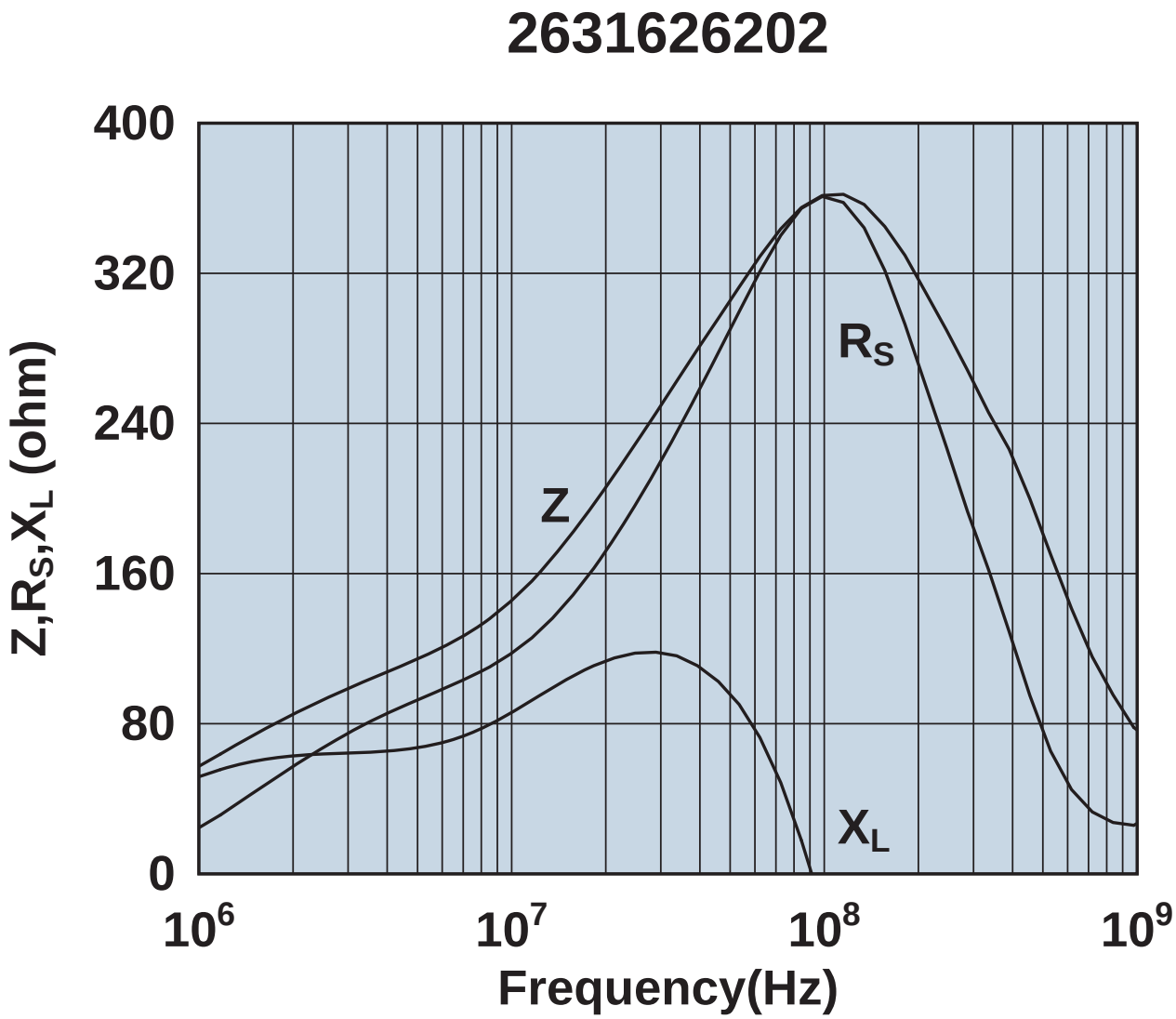
2631625102



Impedance, reactance, and resistance vs. frequency.

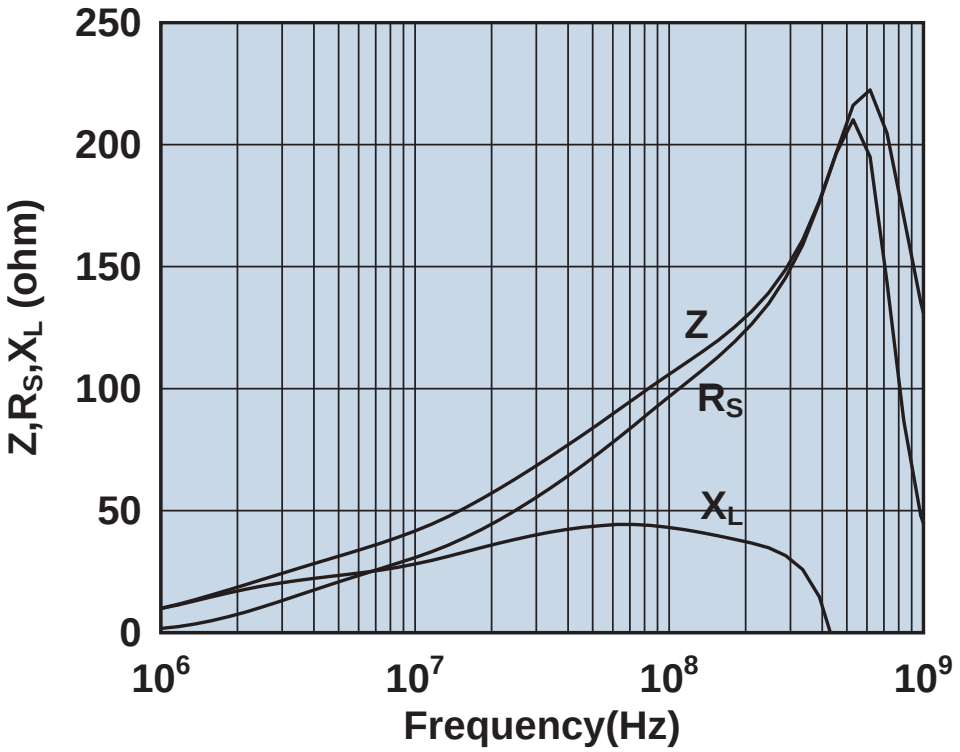


Impedance vs. frequency with one, two, and three turns.

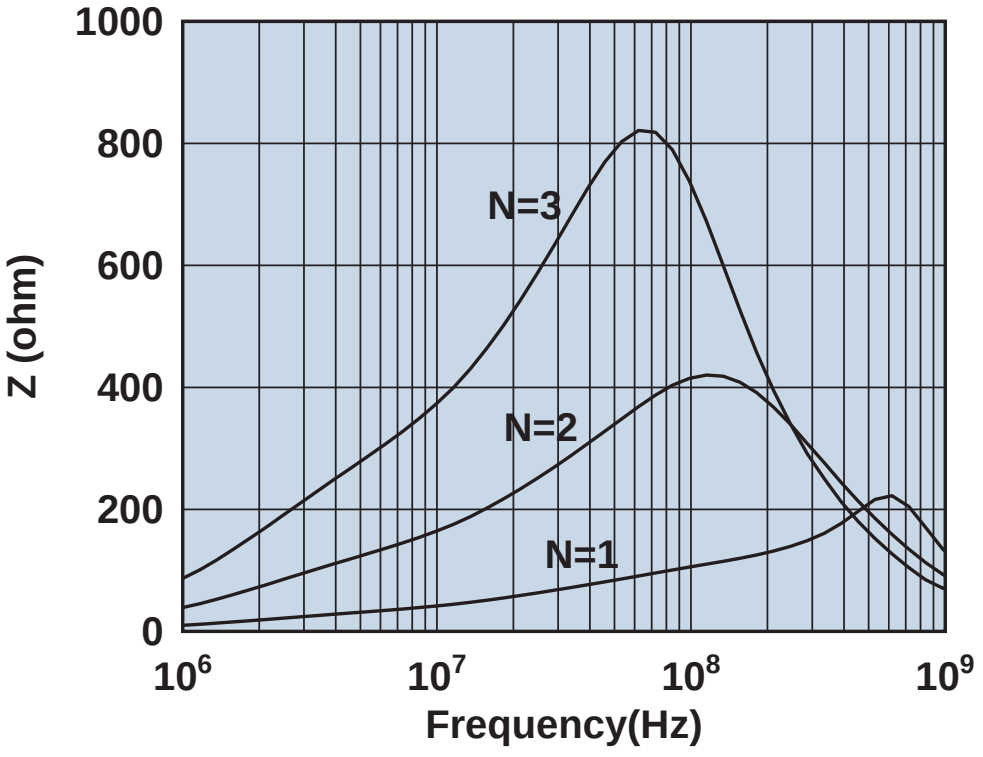


Impedance, reactance, and resistance vs. frequency.

2631626302

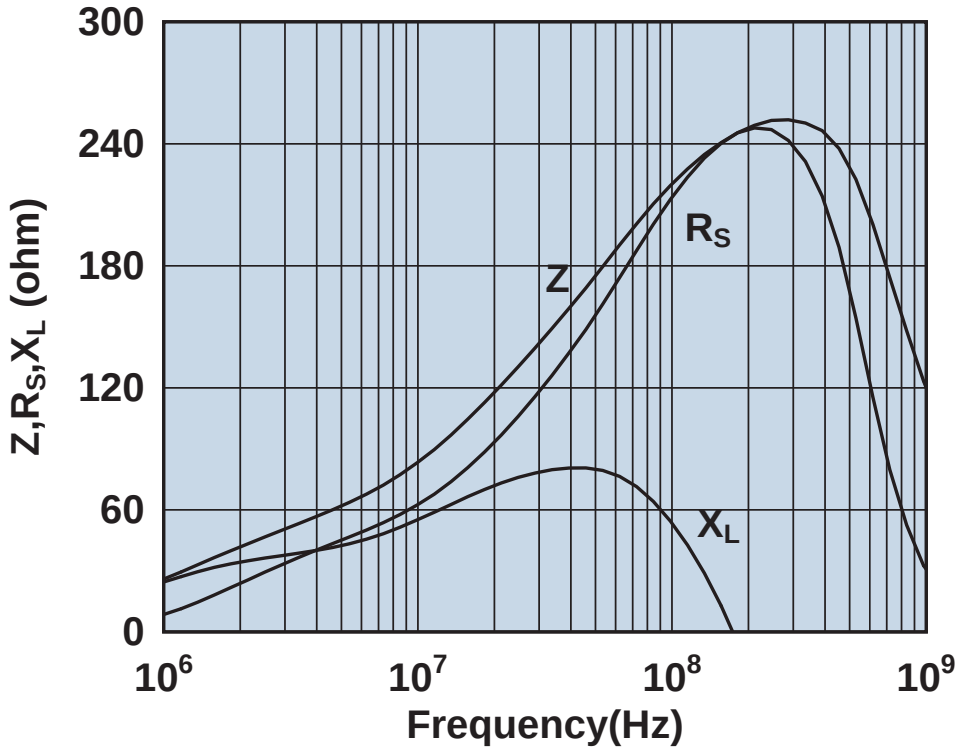


Impedance, reactance, and resistance vs. frequency.

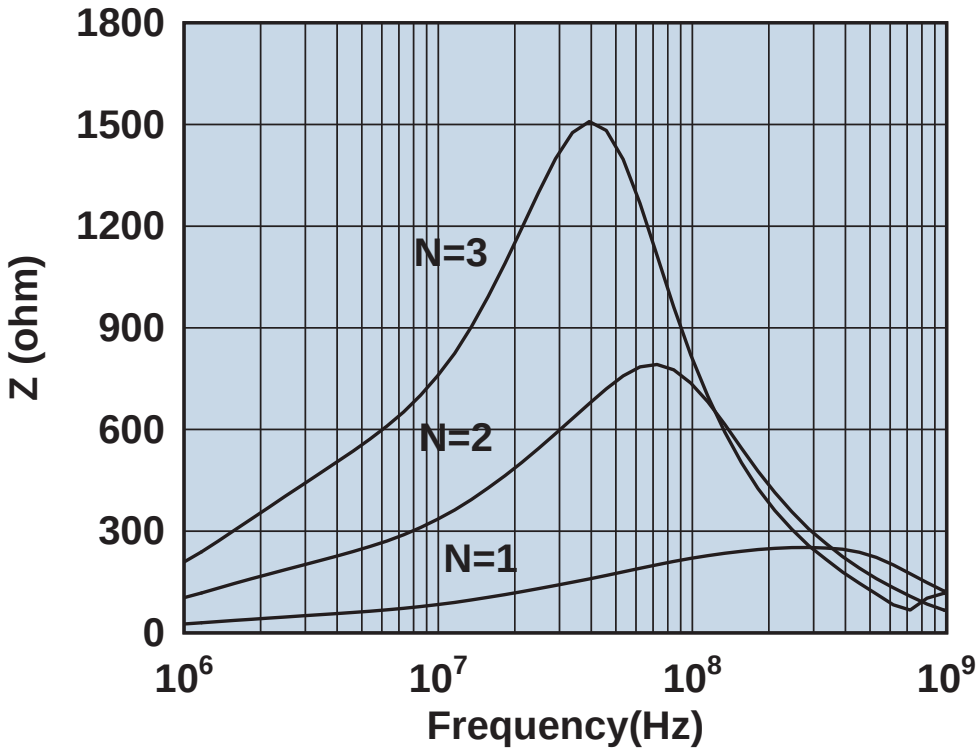


Impedance vs. frequency with one, two, and three turns.

2631626402

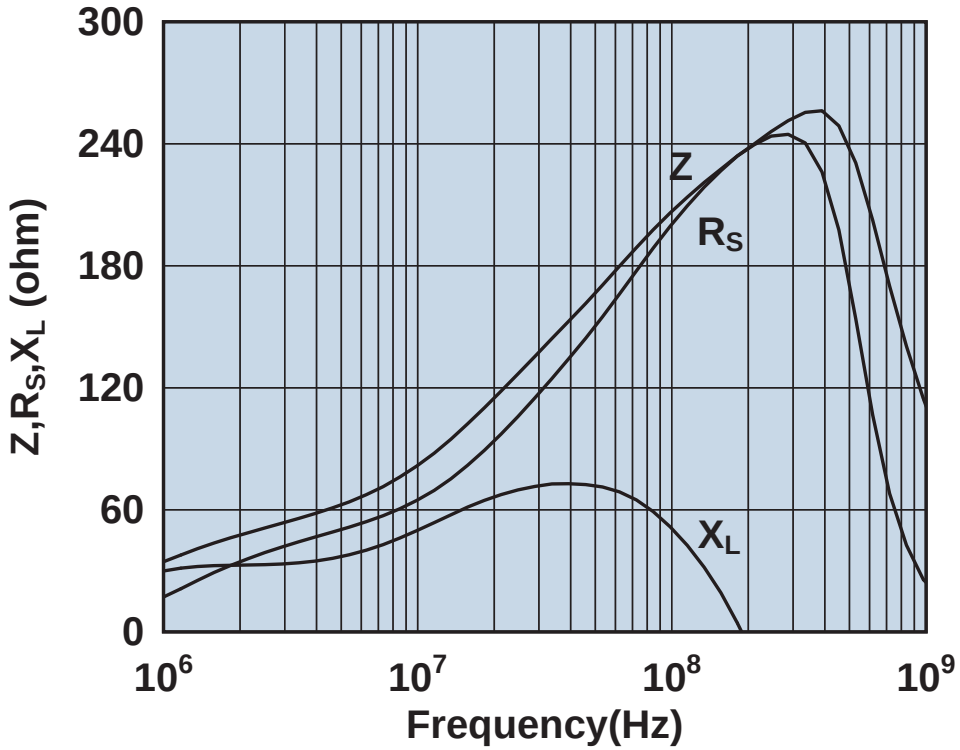


Impedance, reactance, and resistance vs. frequency.

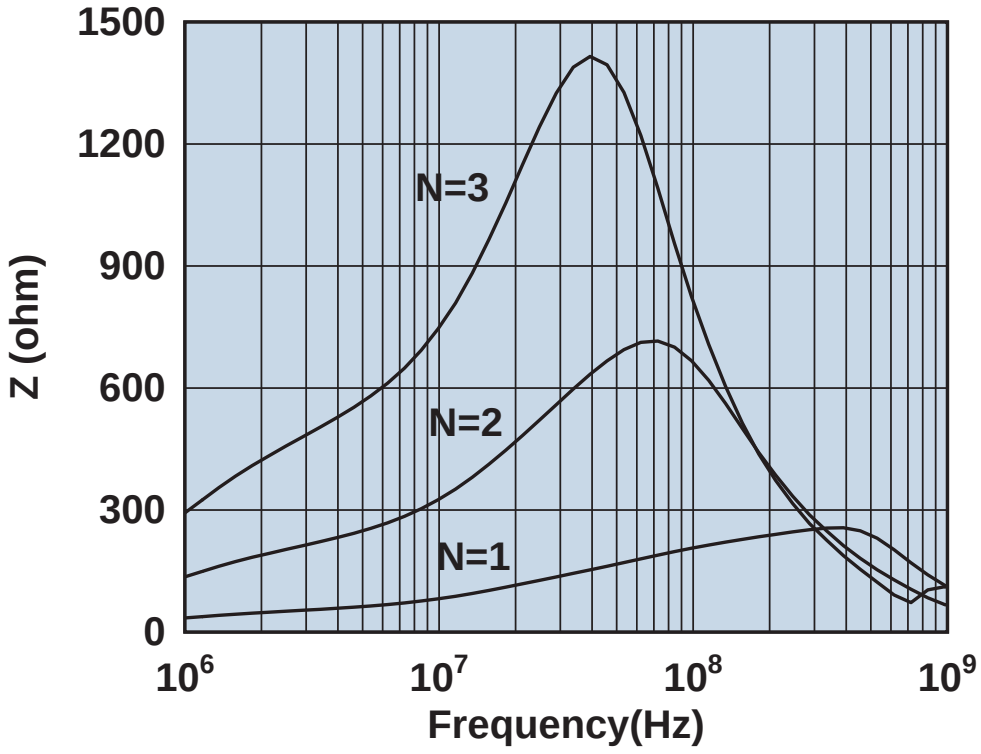


Impedance vs. frequency with one, two, and three turns.

2631665702

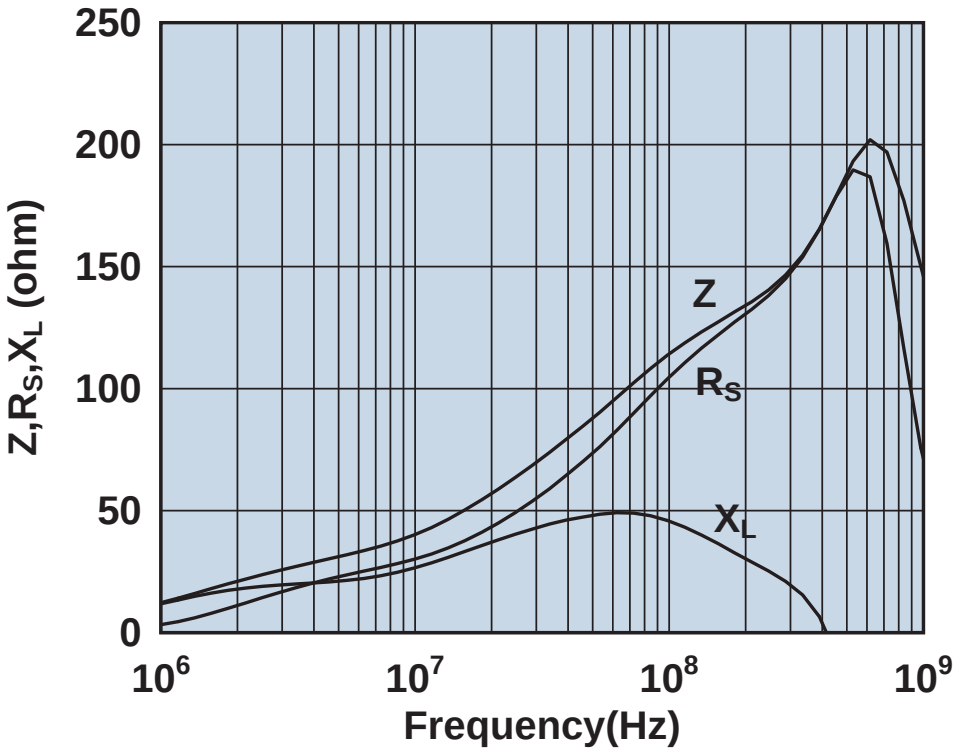


Impedance, reactance, and resistance vs. frequency.

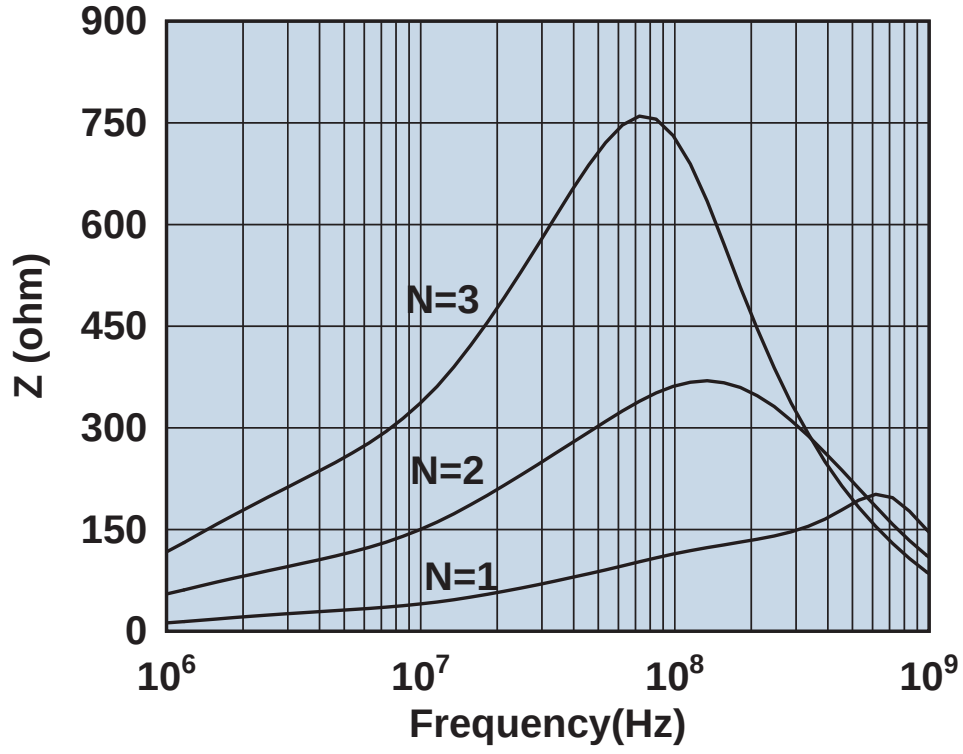


Impedance vs. frequency with one, two, and three turns.

2631665802

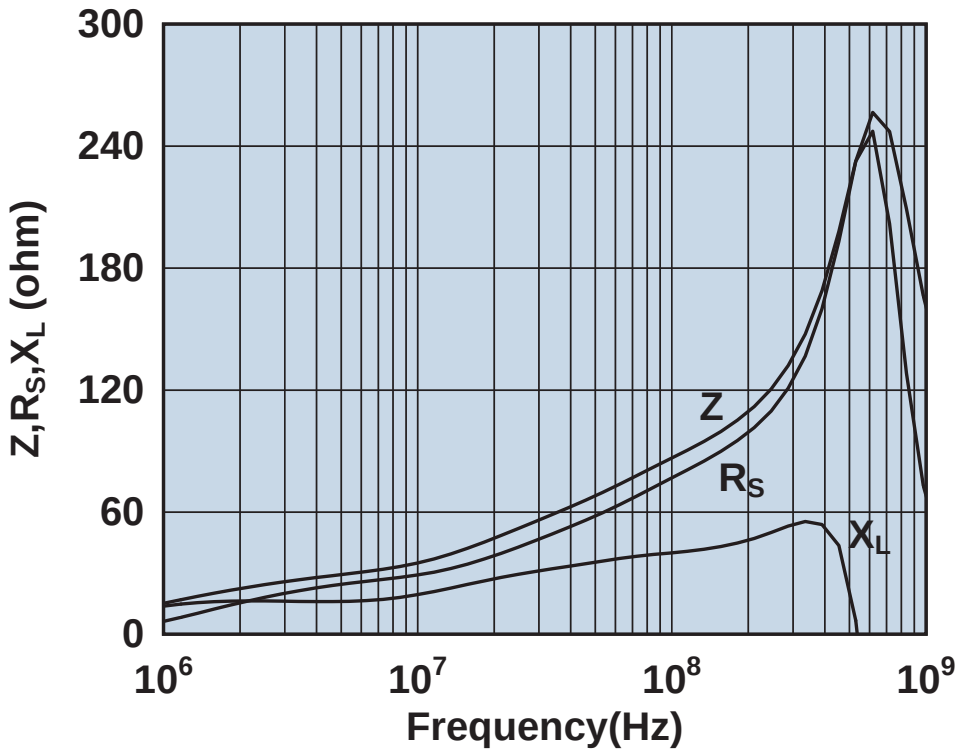


Impedance, reactance, and resistance vs. frequency.

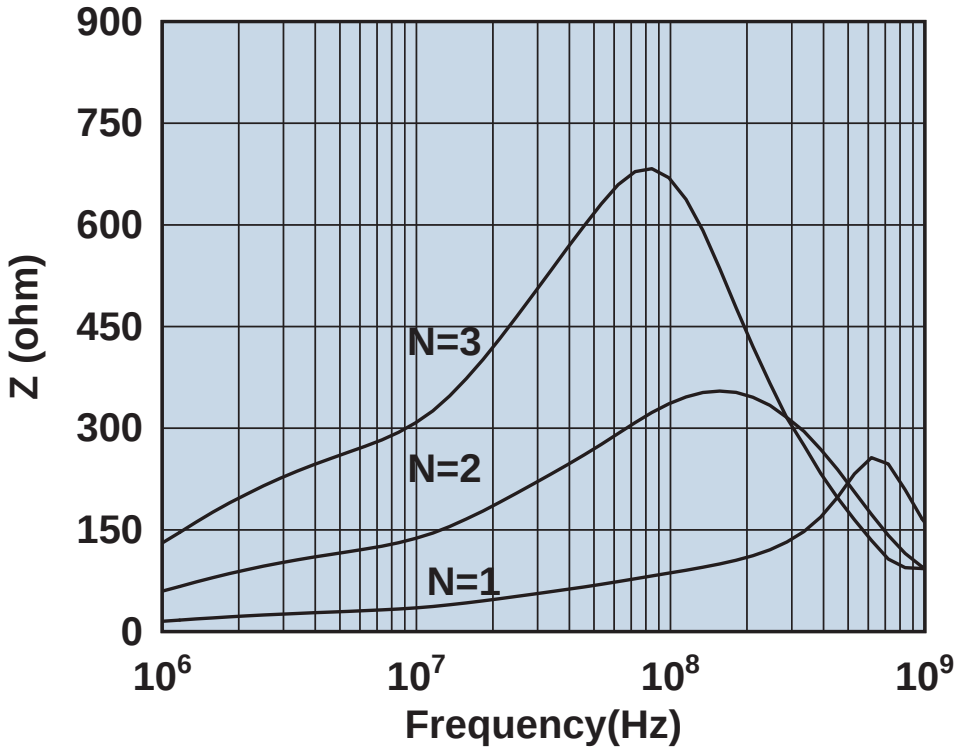


Impedance vs. frequency with one, two, and three turns.

2631801202

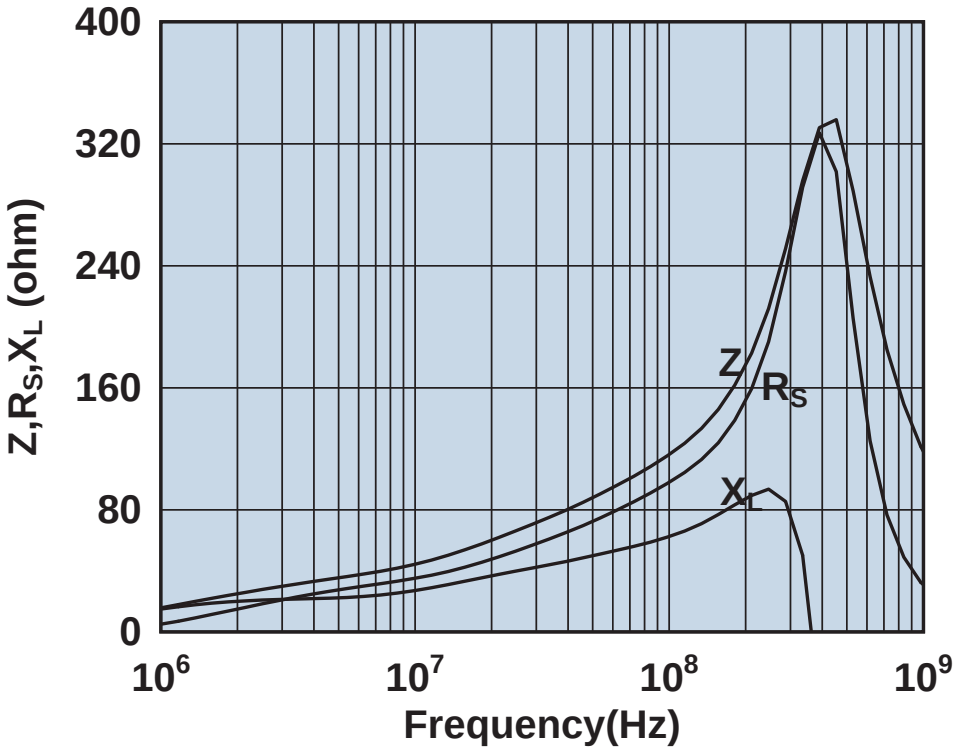


Impedance, reactance, and resistance vs. frequency.

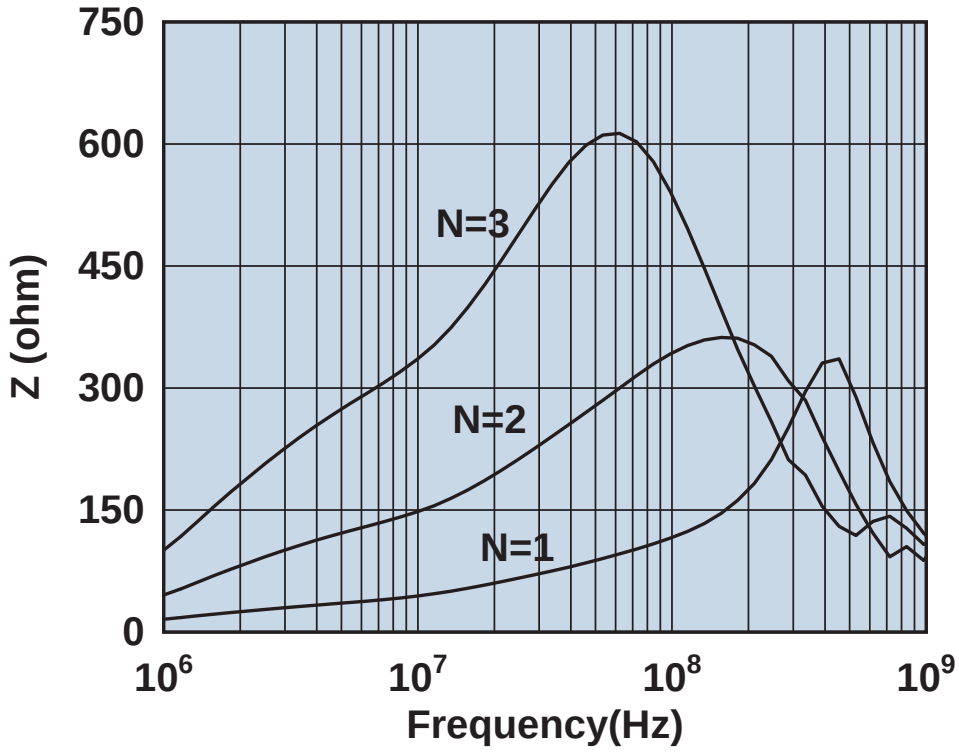


Impedance vs. frequency with one, two, and three turns.

2631803802

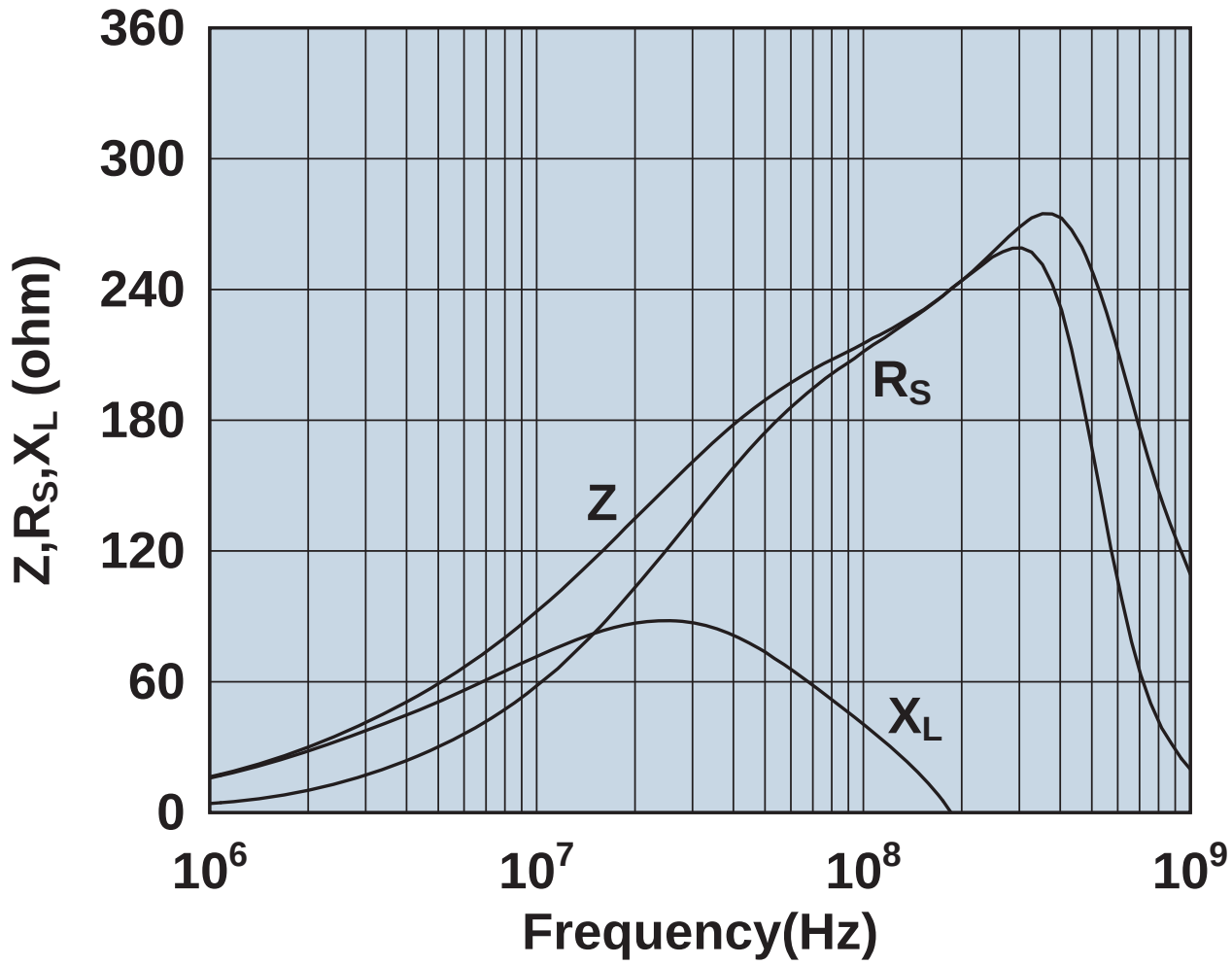


Impedance, reactance, and resistance vs. frequency.



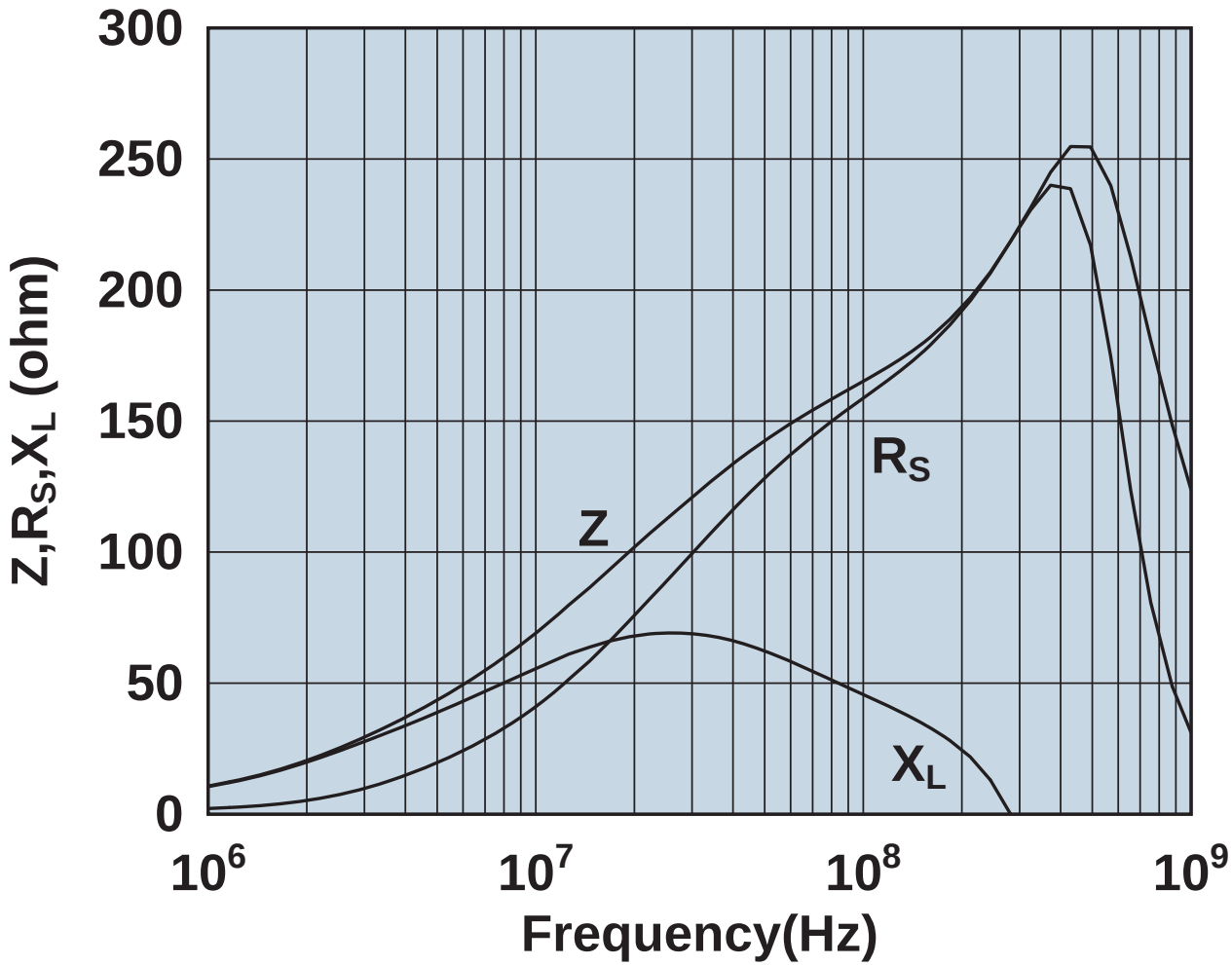
Impedance vs. frequency with one, two, and three turns.

2643102002

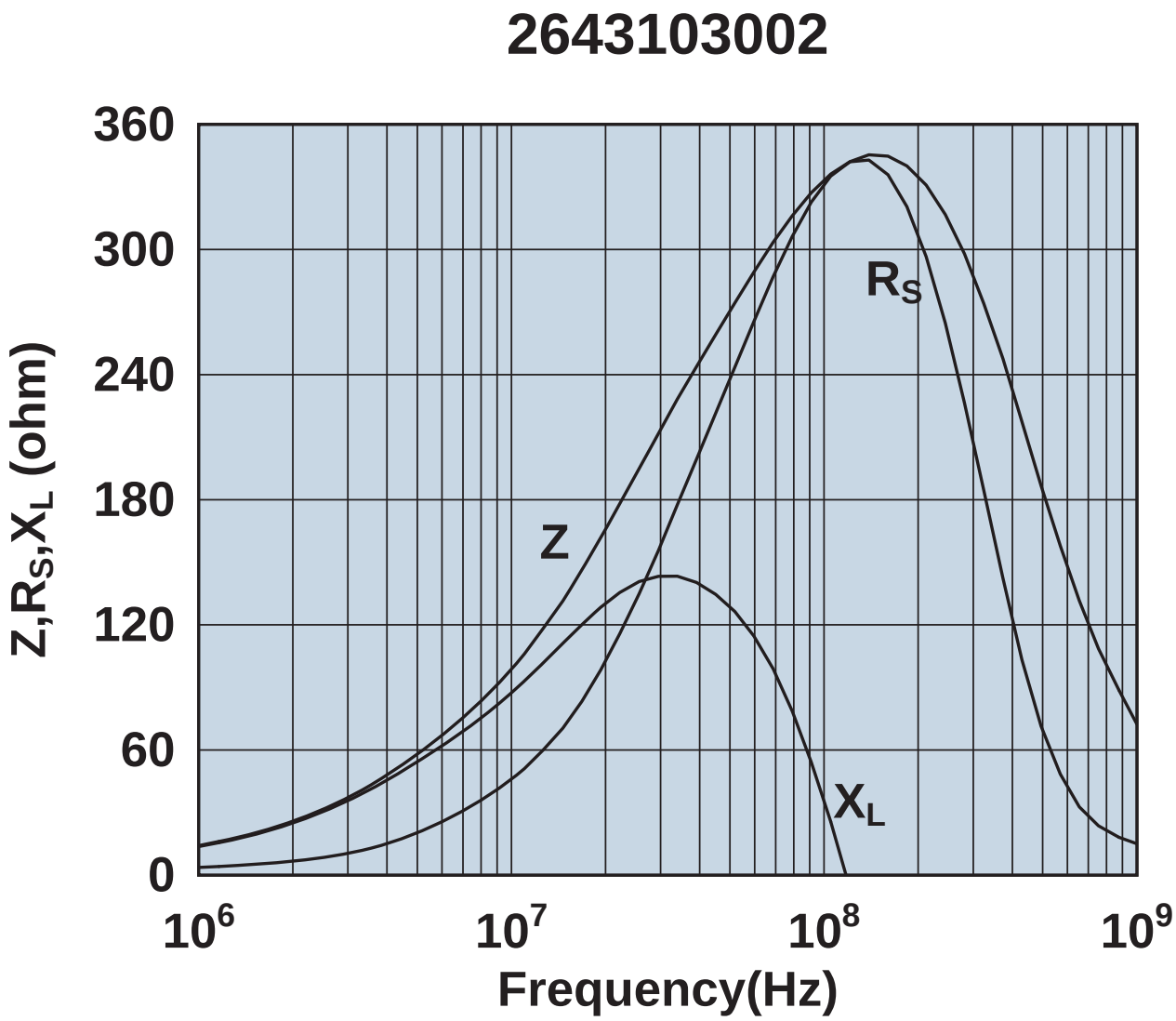


Impedance, reactance, and resistance vs. frequency.

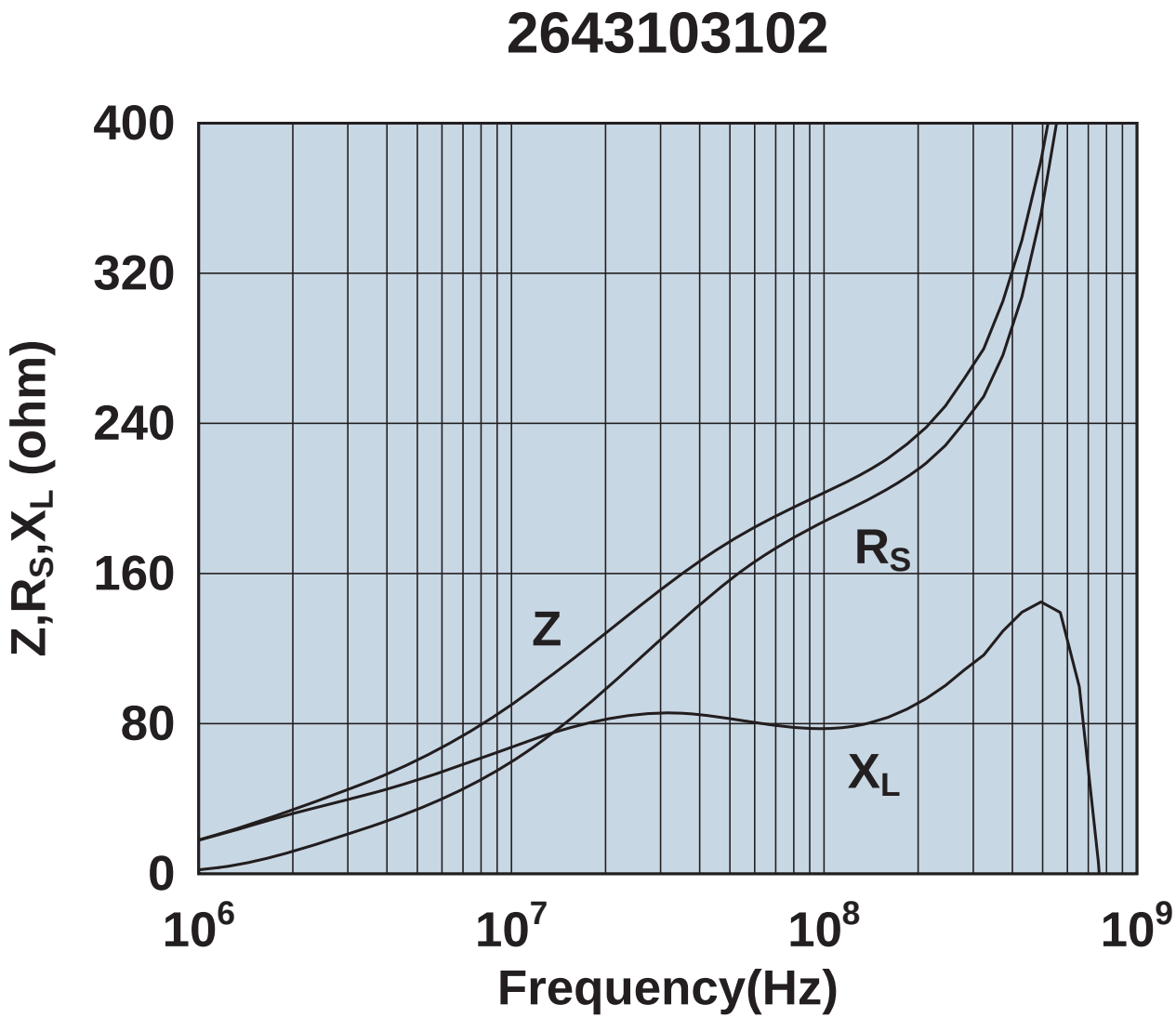
2643102402



Impedance, reactance, and resistance vs. frequency.

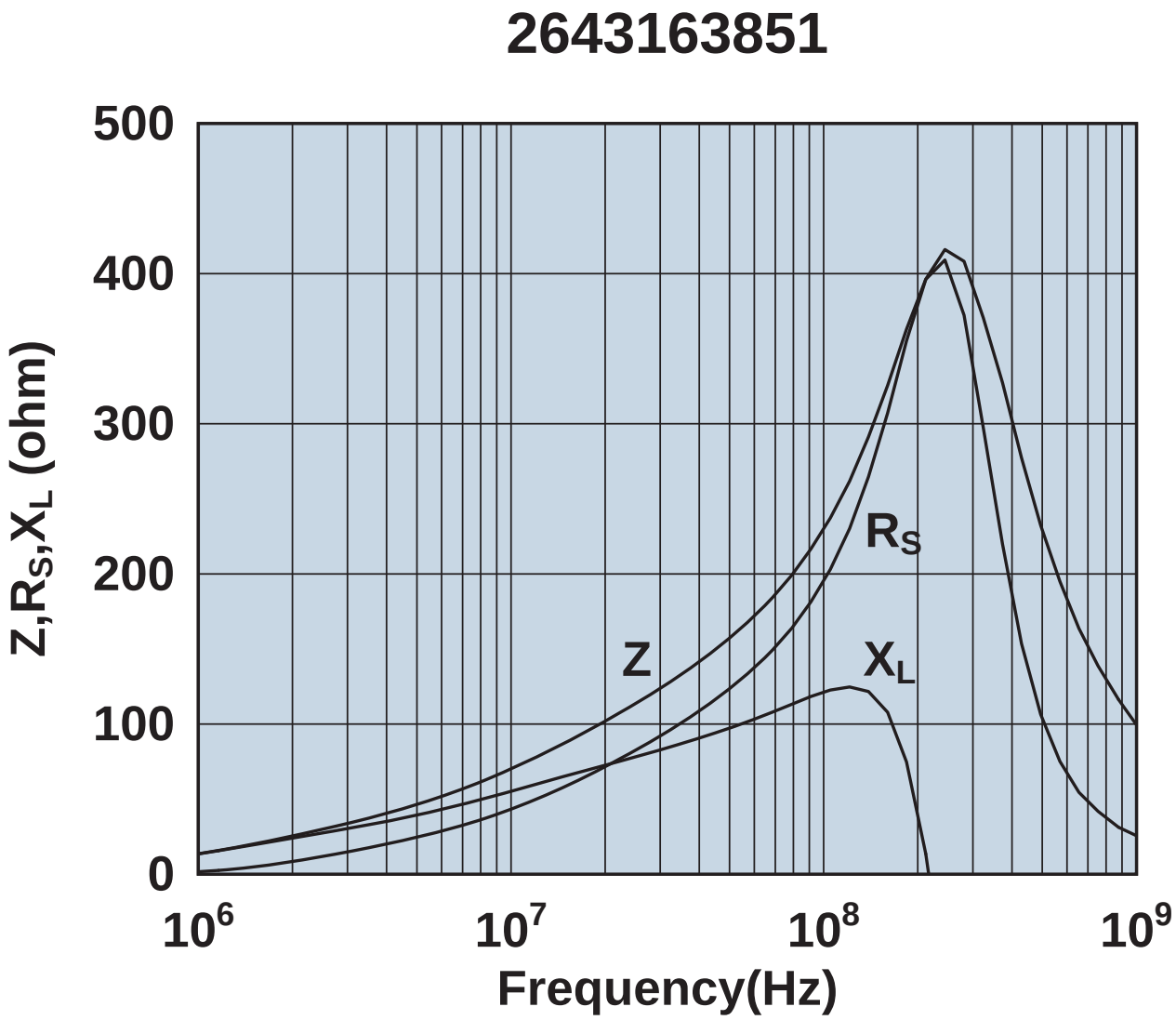


Impedance, reactance, and resistance vs. frequency.



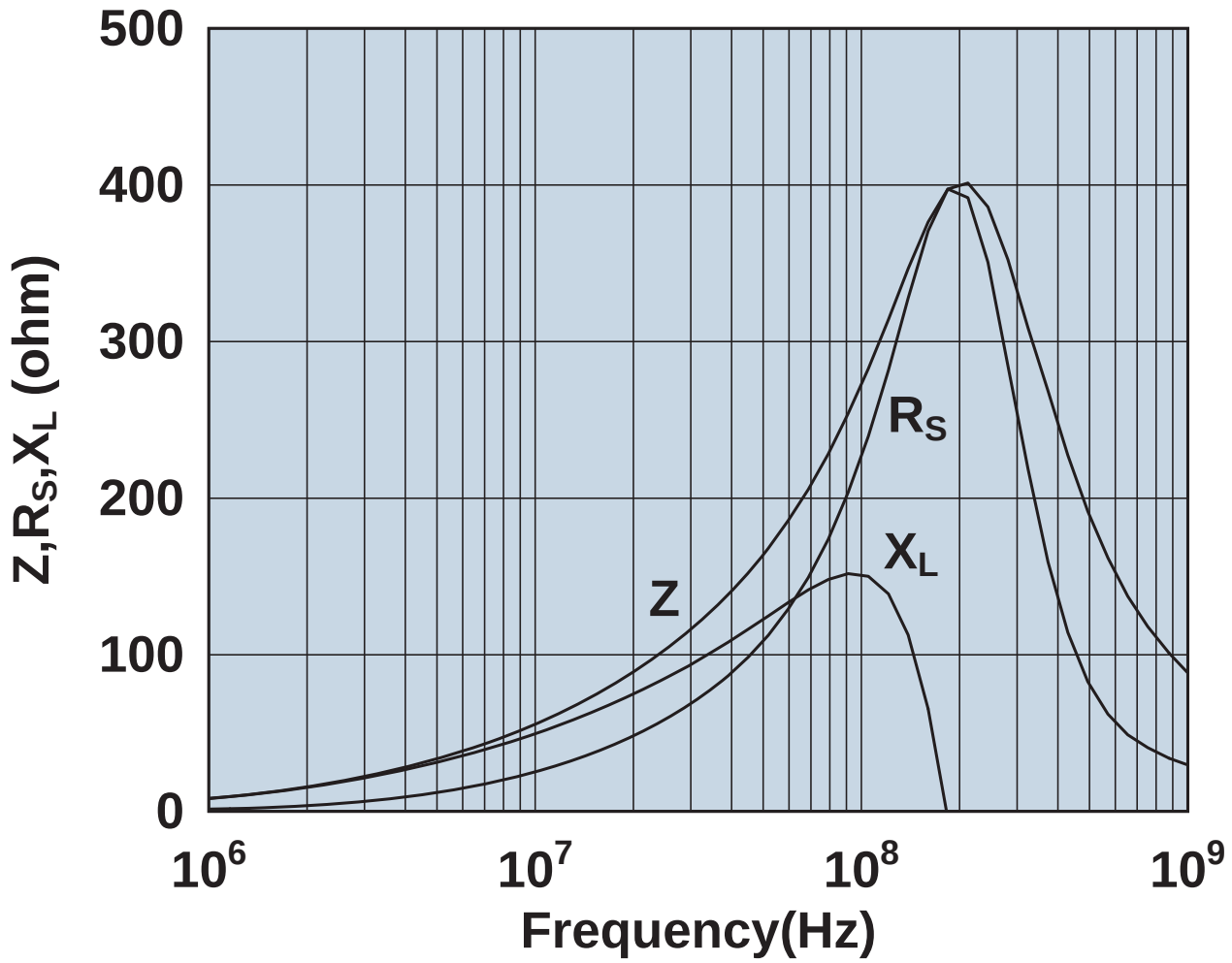
Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

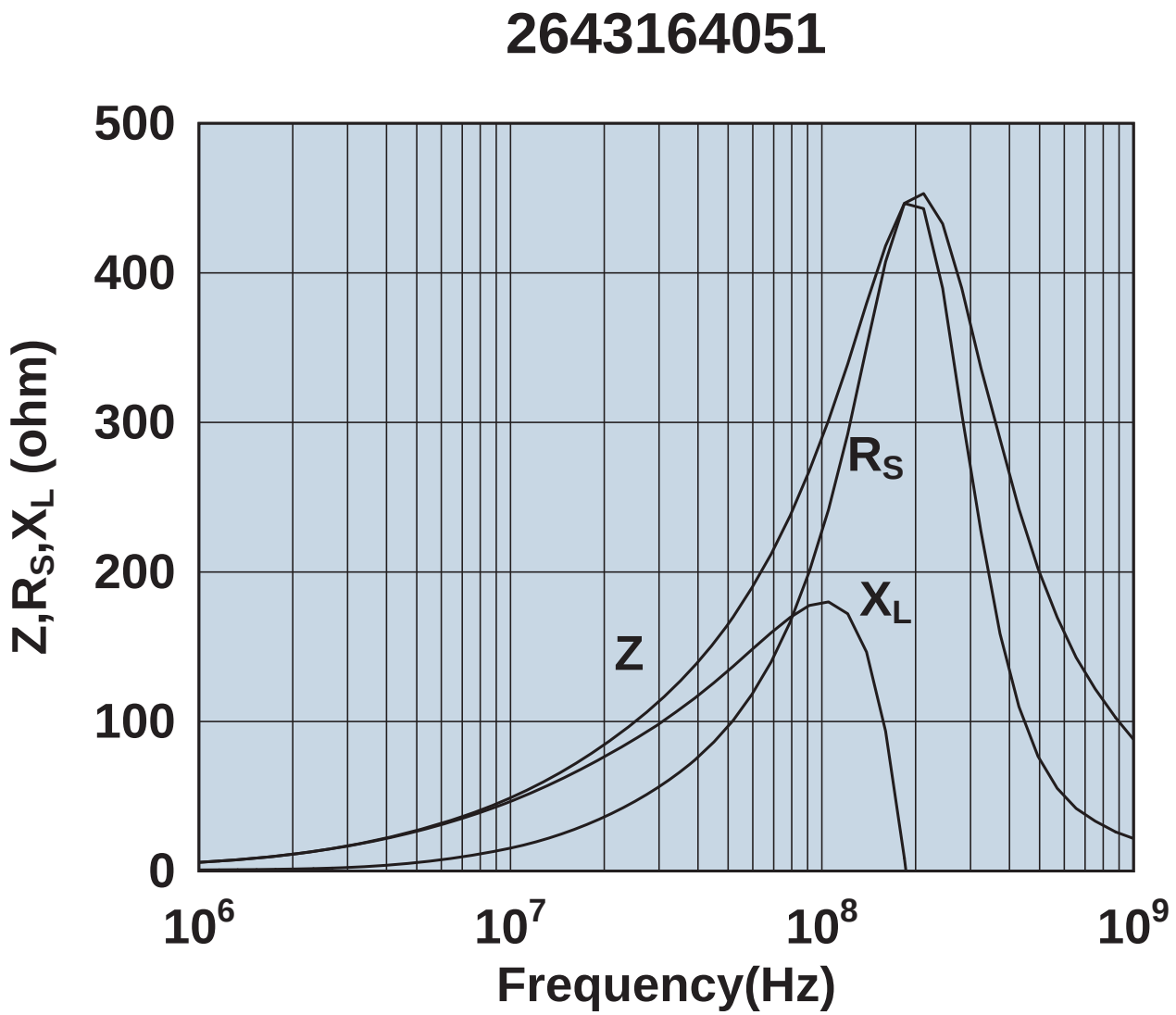


Impedance, reactance, and resistance vs. frequency.

2643163951

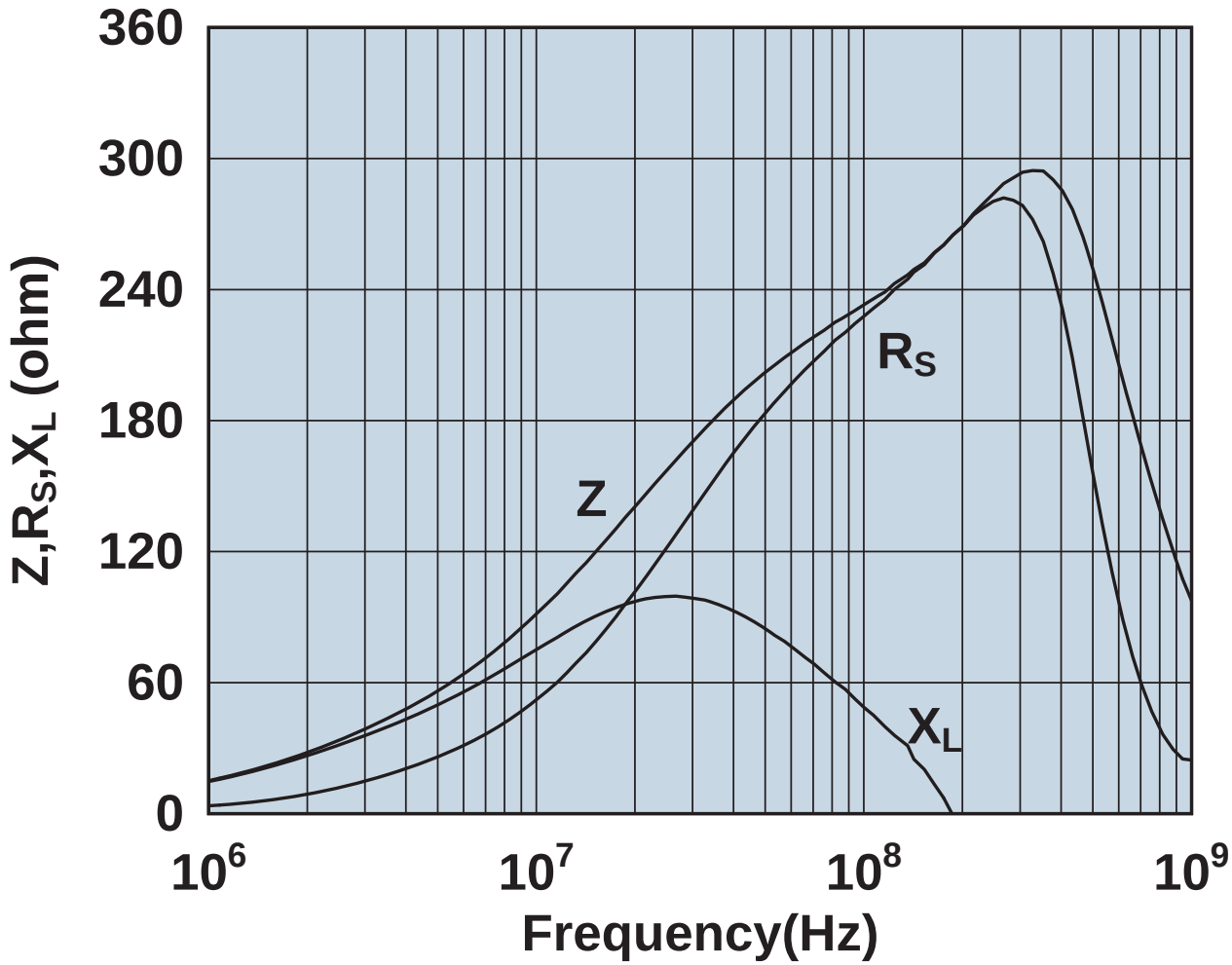


Impedance, reactance, and resistance vs. frequency.



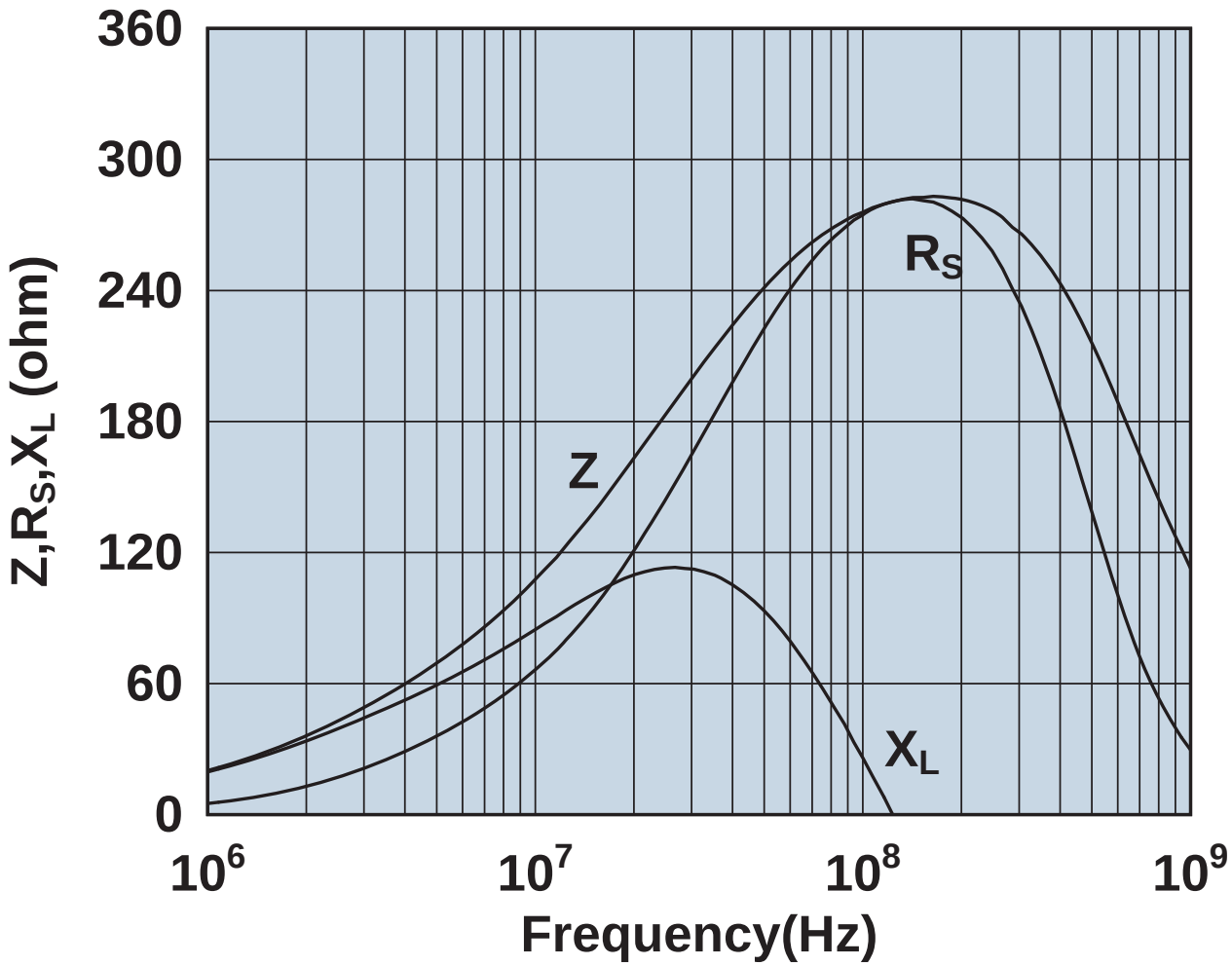
Impedance, reactance, and resistance vs. frequency.

2643164151



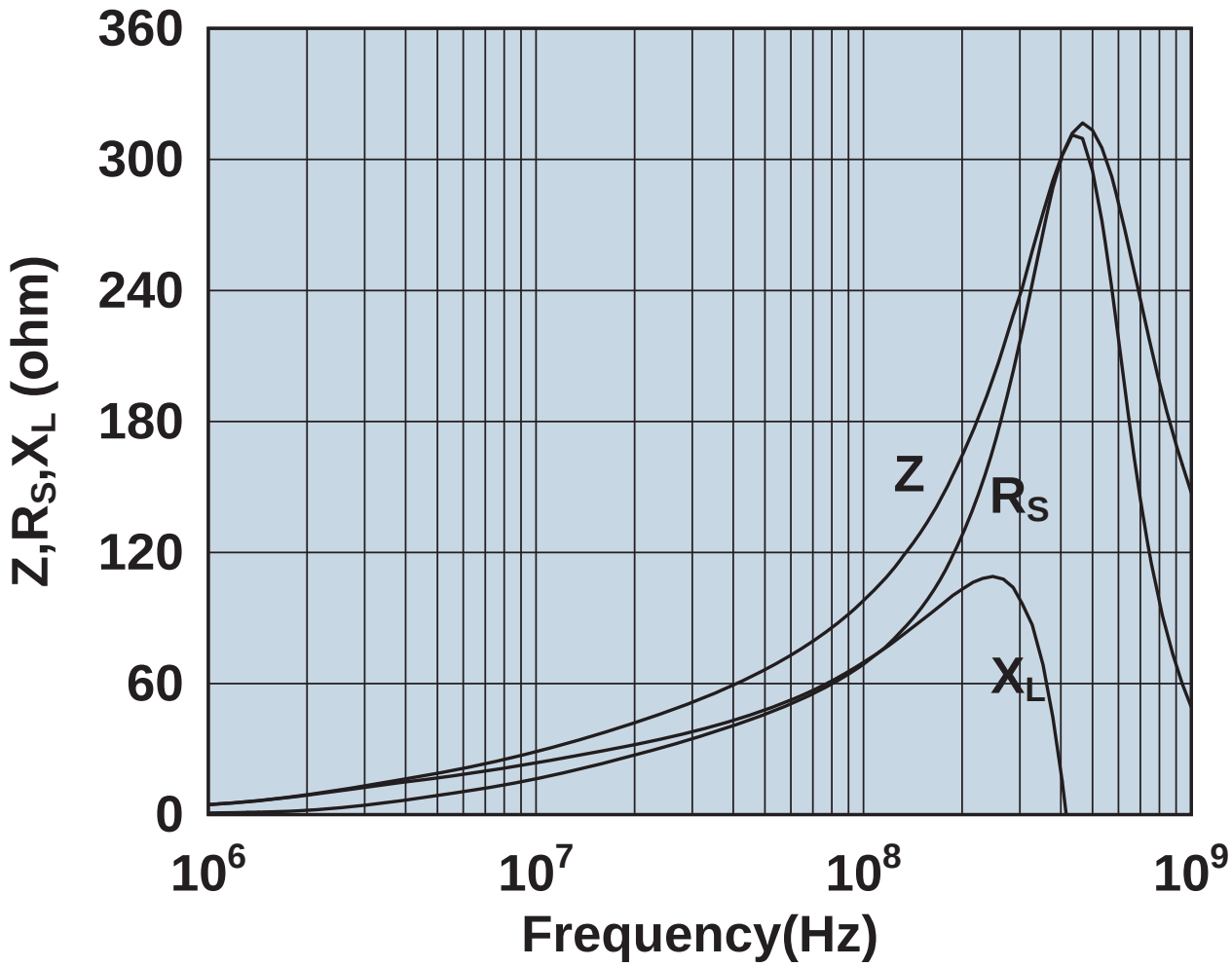
Impedance, reactance, and resistance vs. frequency.

2643164251



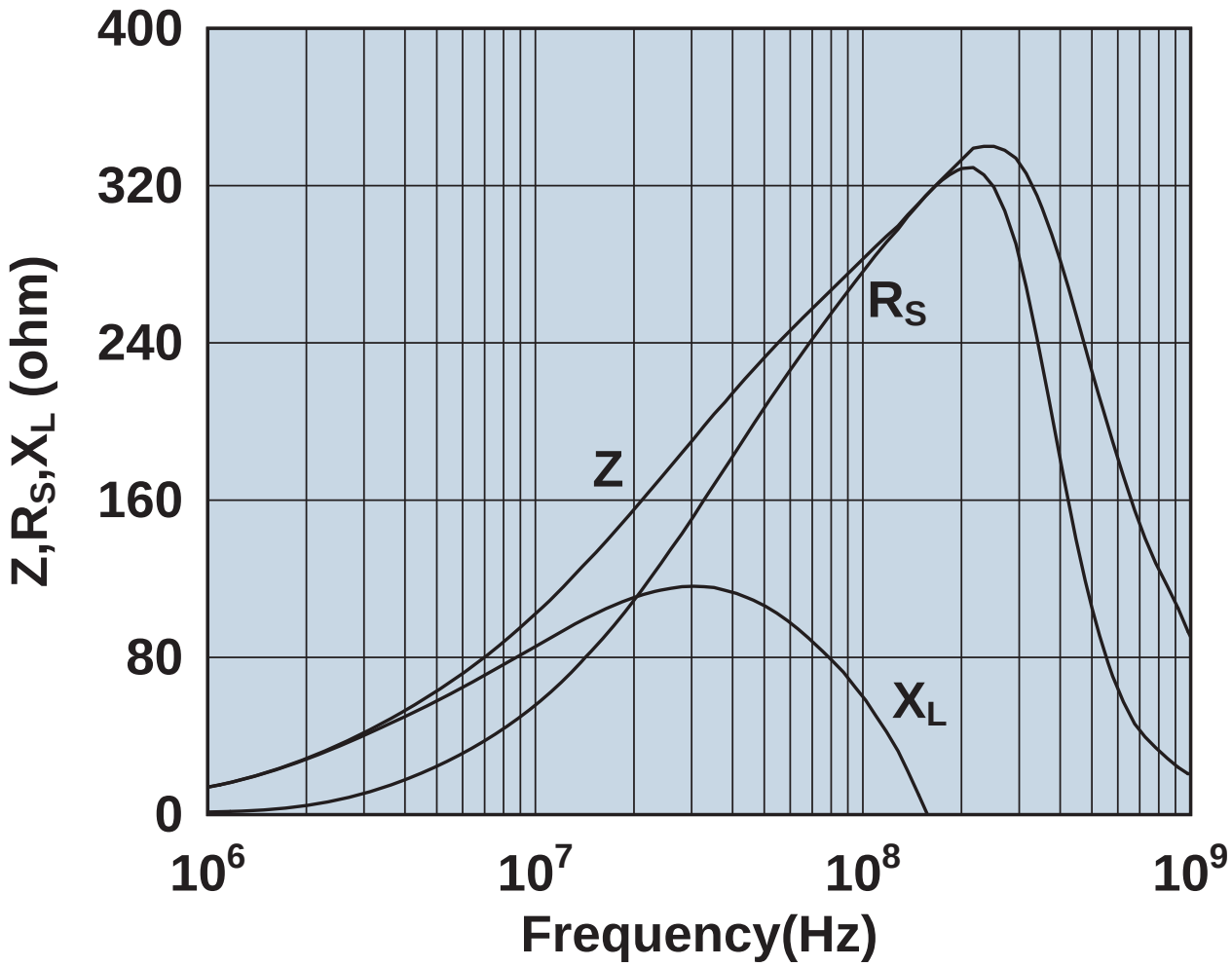
Impedance, reactance, and resistance vs. frequency.

2643164551

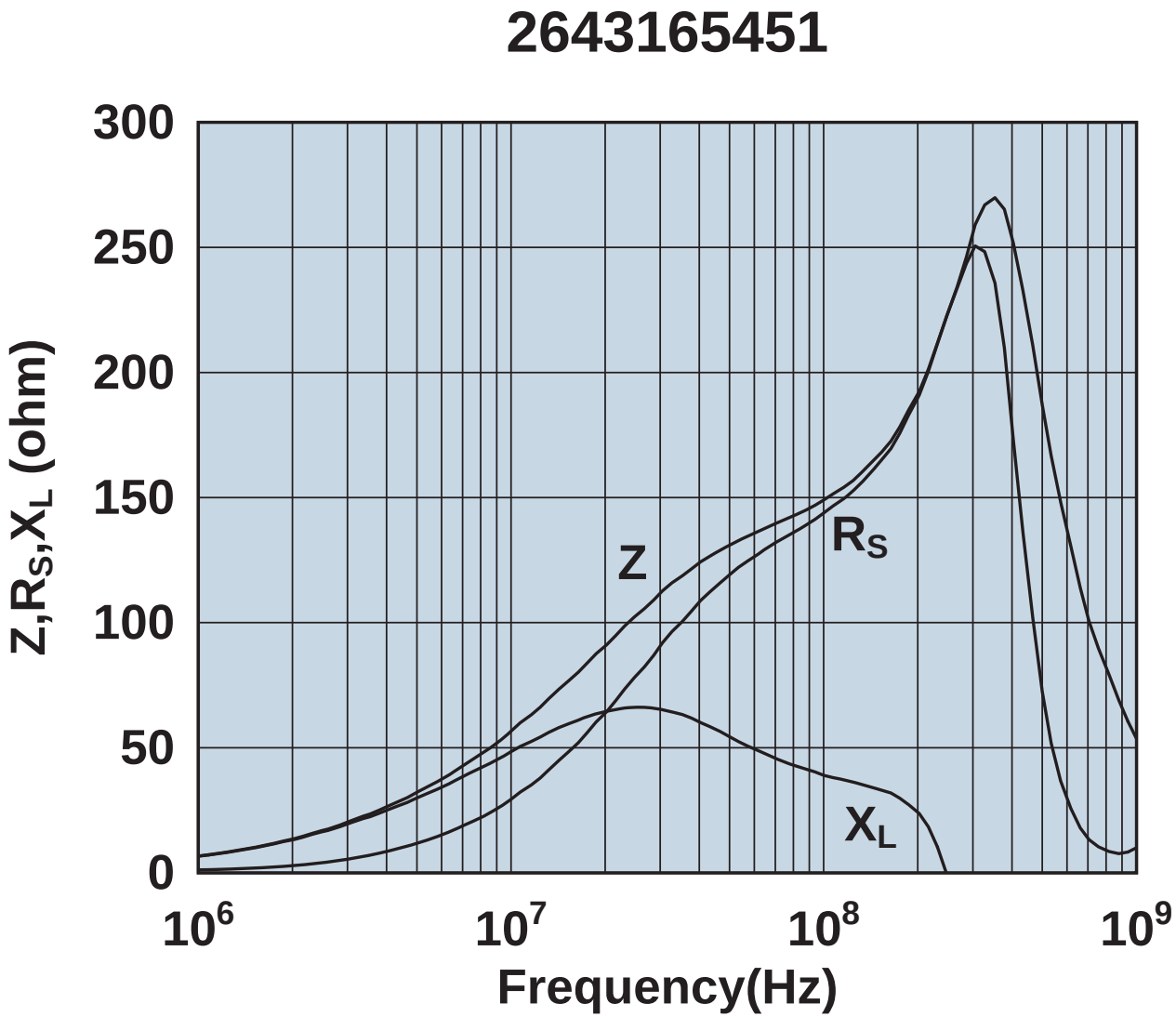


Impedance, reactance, and resistance vs. frequency.

2643165151

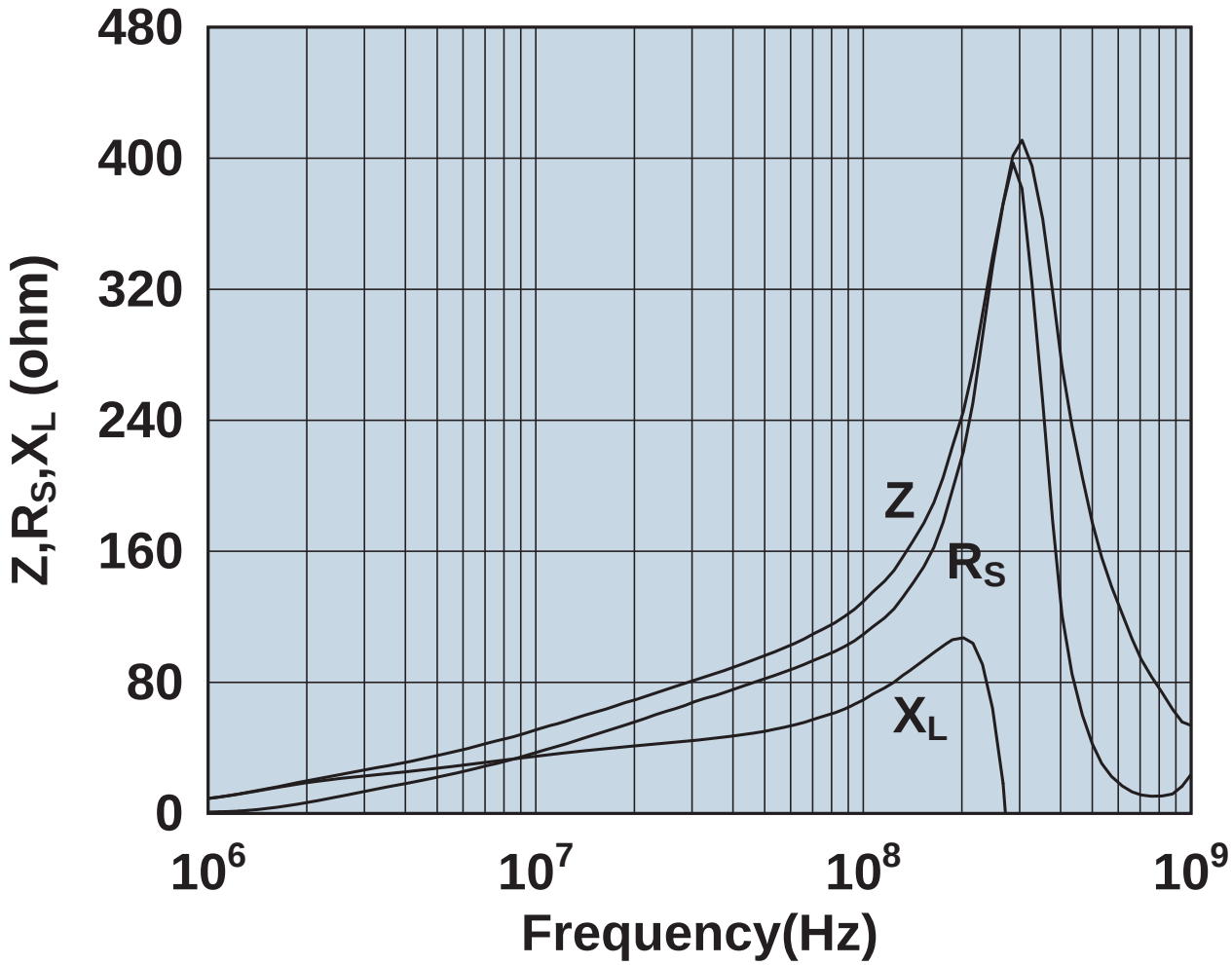


Impedance, reactance, and resistance vs. frequency.



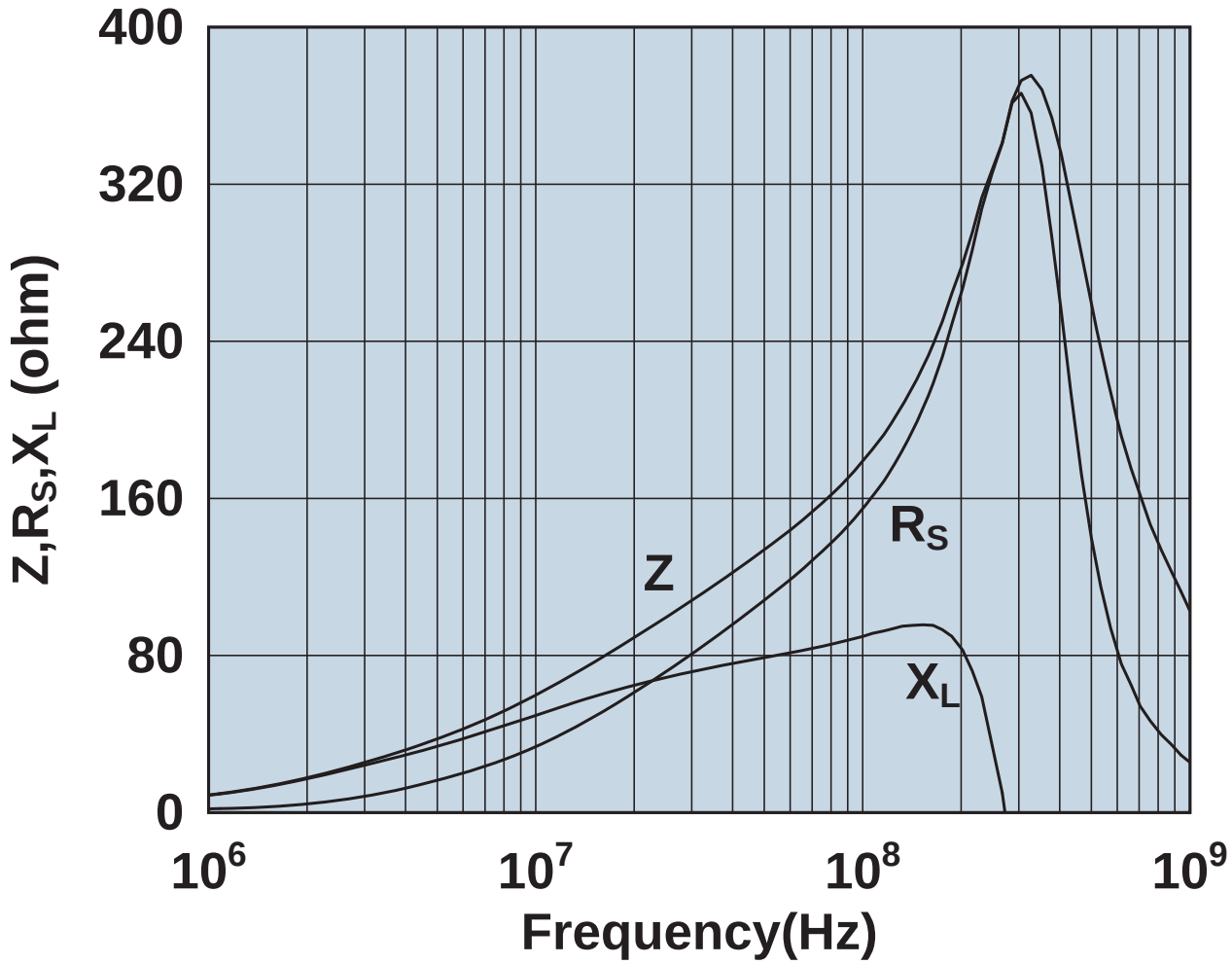
Impedance, reactance, and resistance vs. frequency.

2643166251



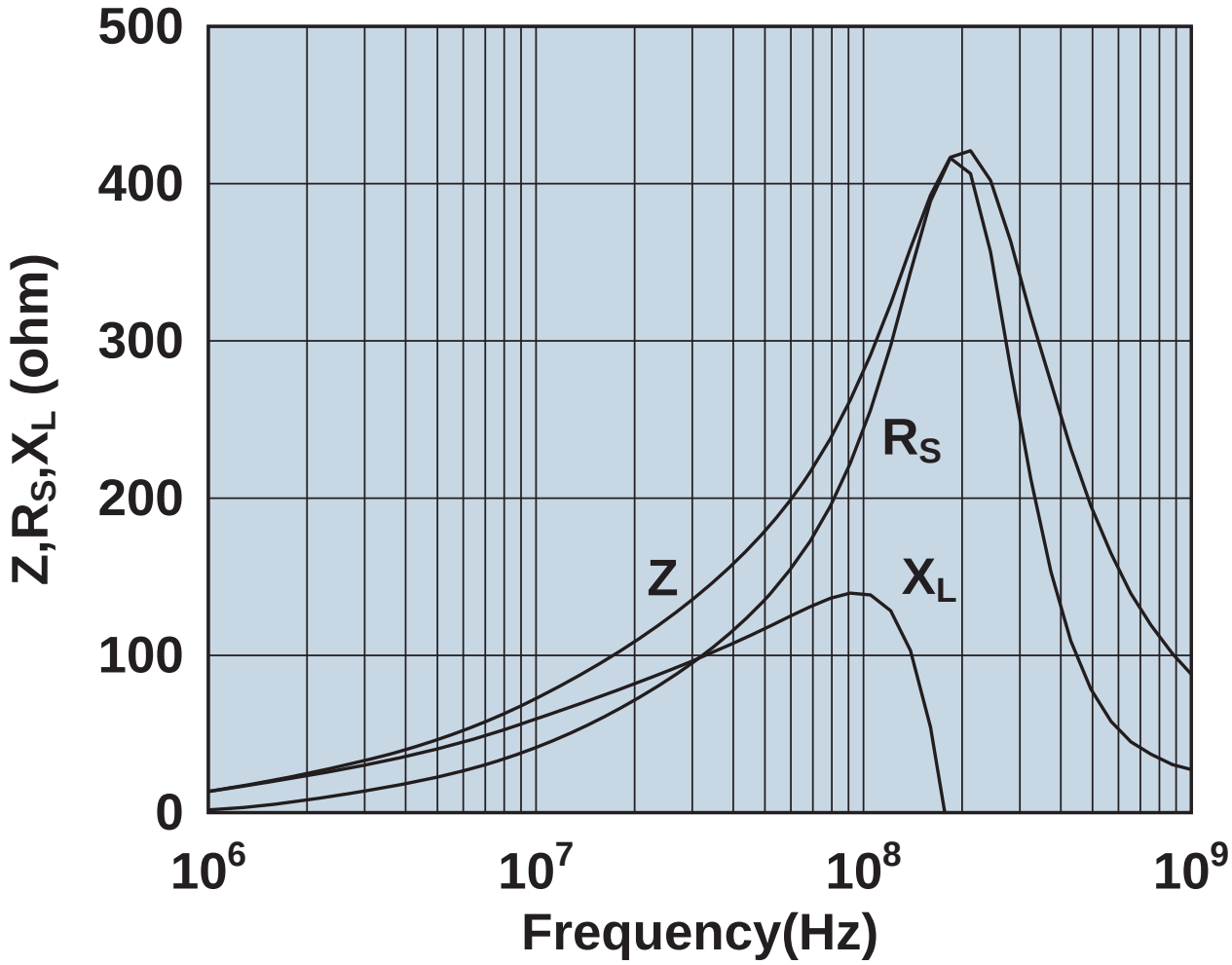
Impedance, reactance, and resistance vs. frequency.

2643166451

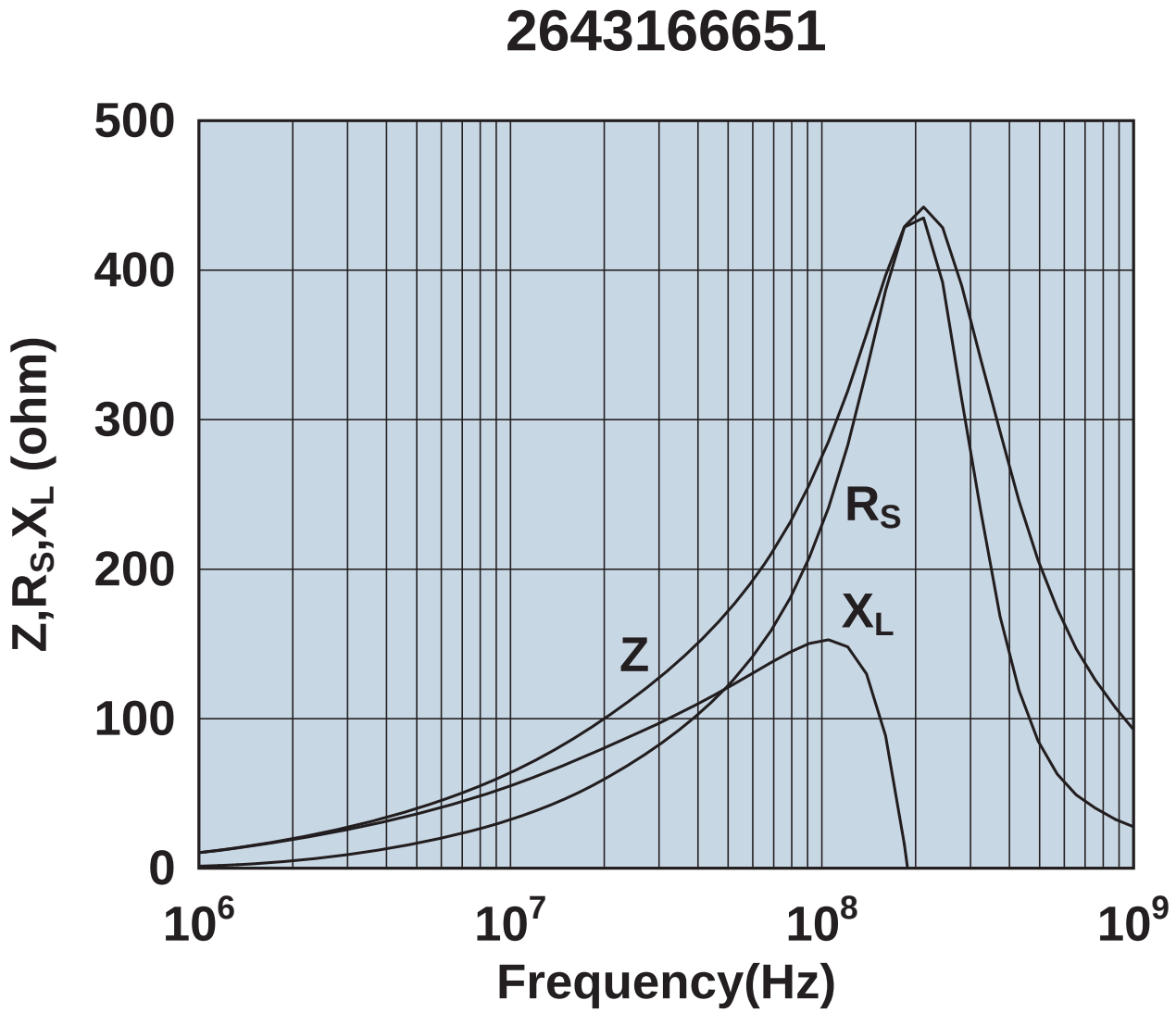


Impedance, reactance, and resistance vs. frequency.

2643166551

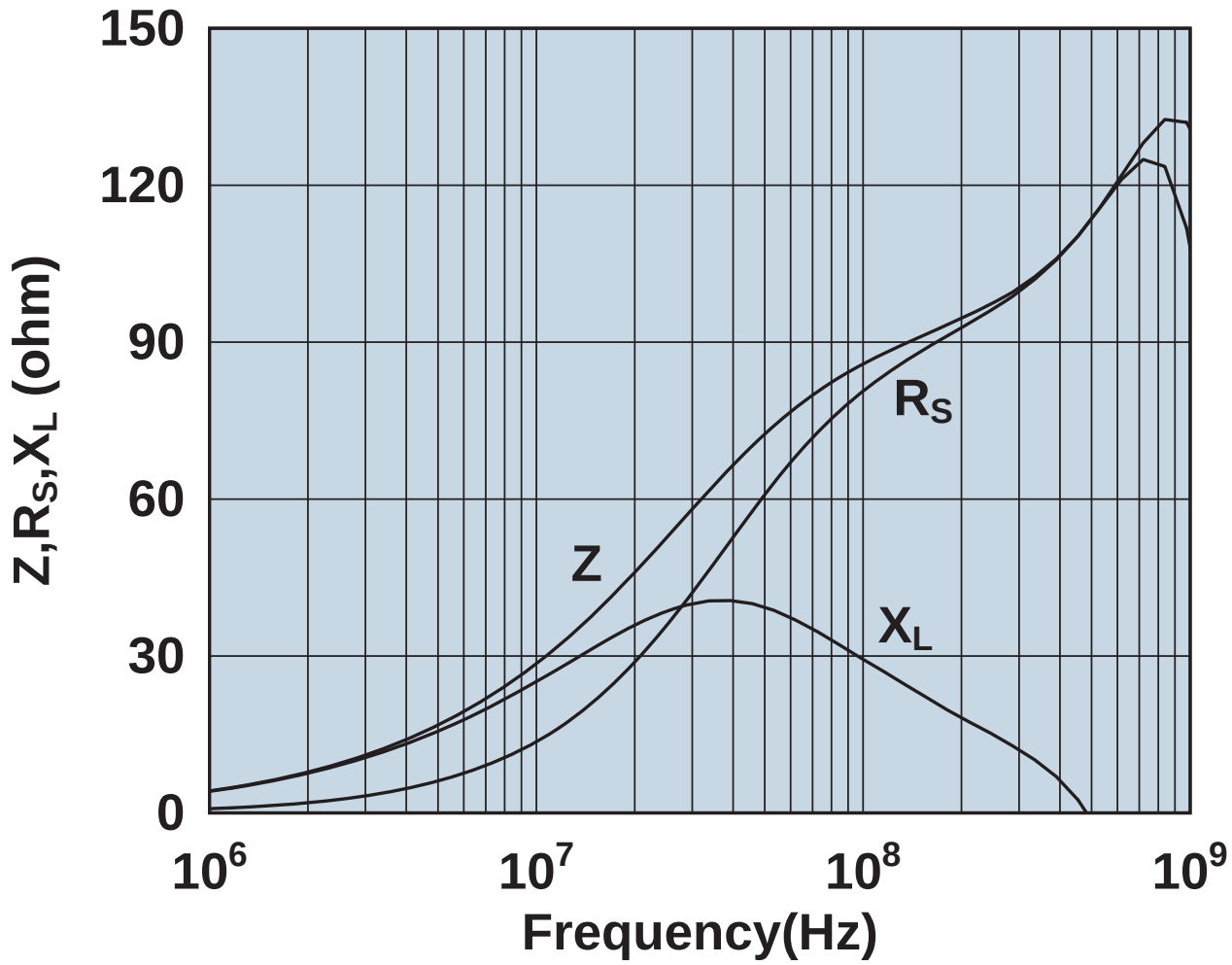


Impedance, reactance, and resistance vs. frequency.



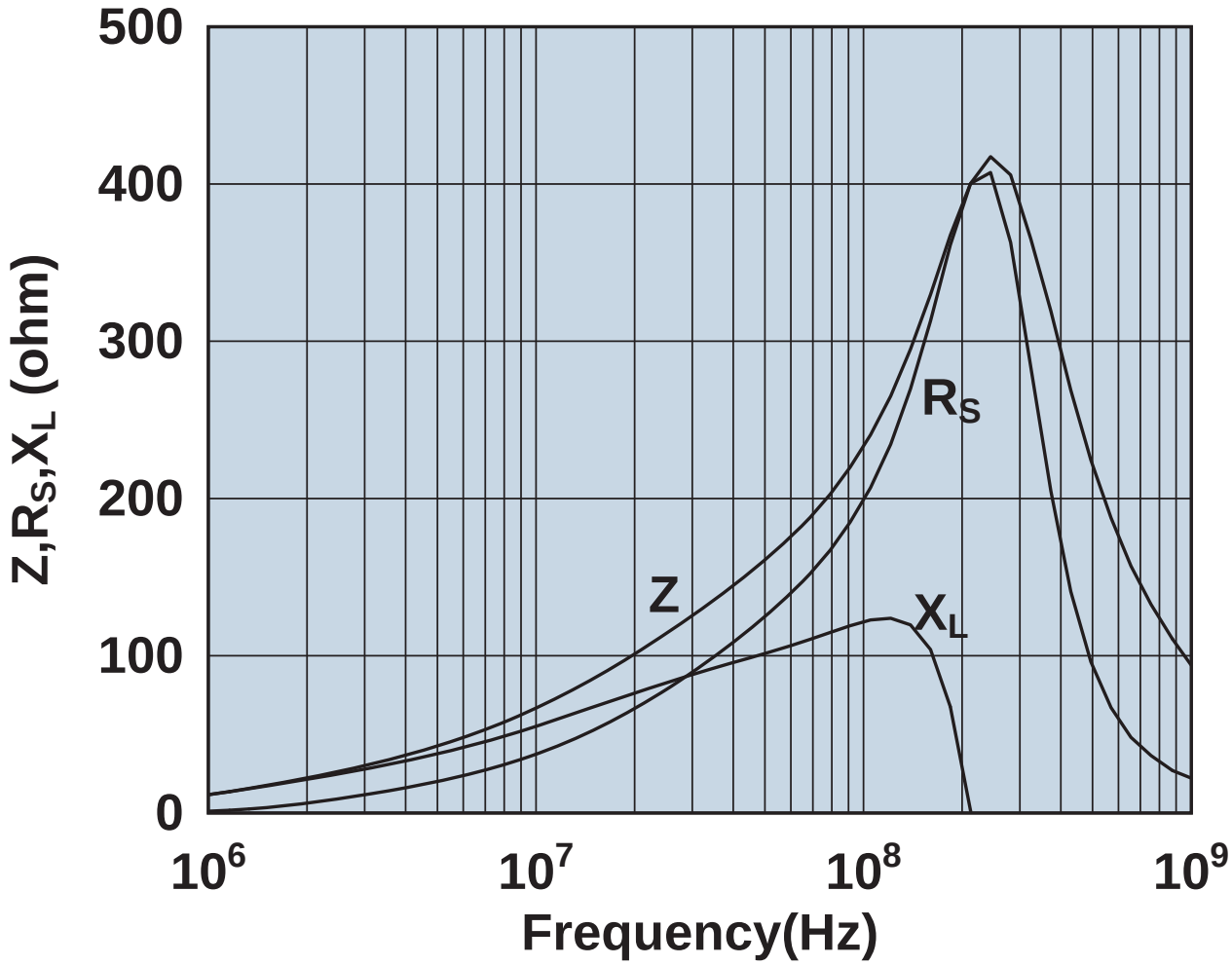
Impedance, reactance, and resistance vs. frequency.

2643166751



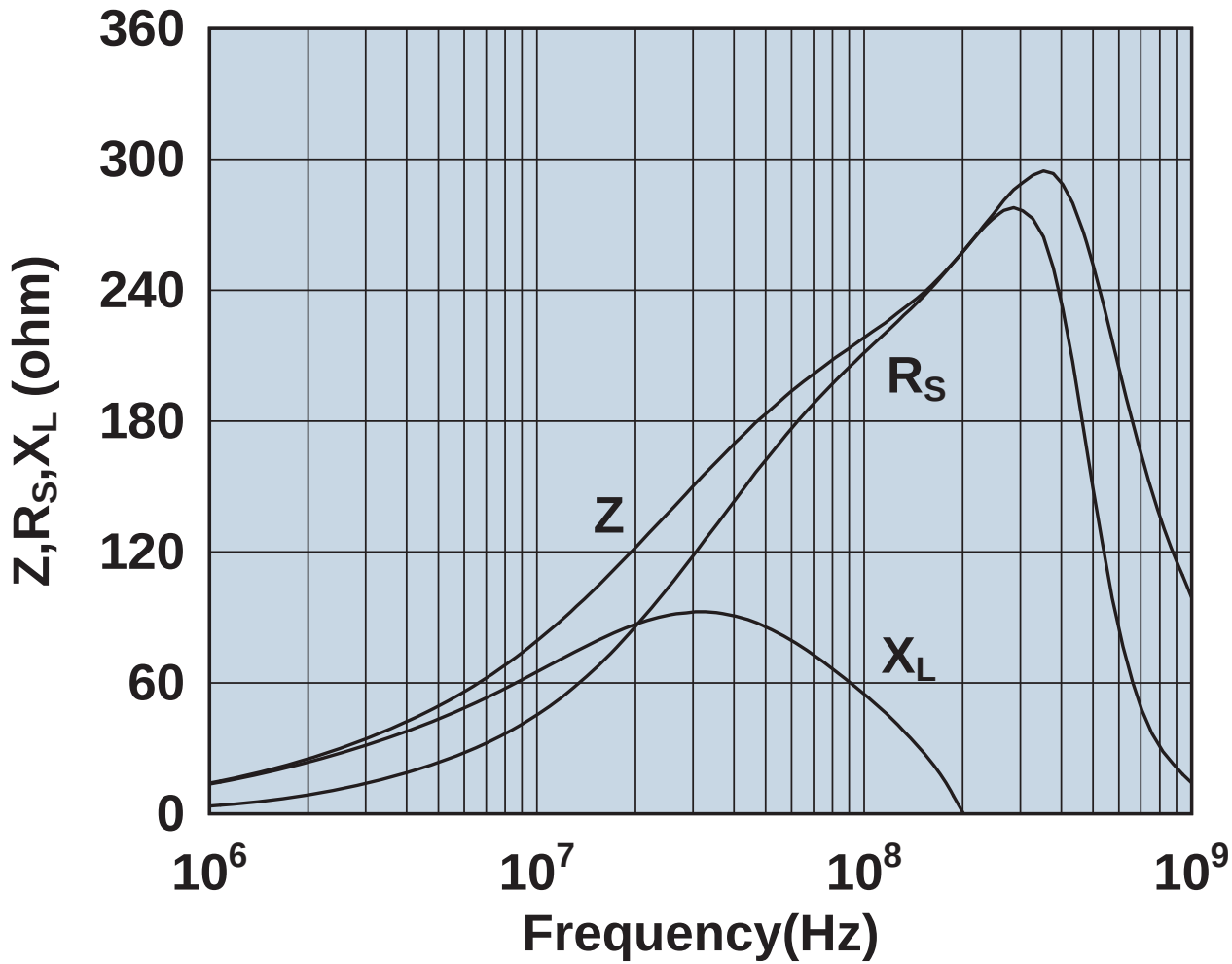
Impedance, reactance, and resistance vs. frequency.

2643166851



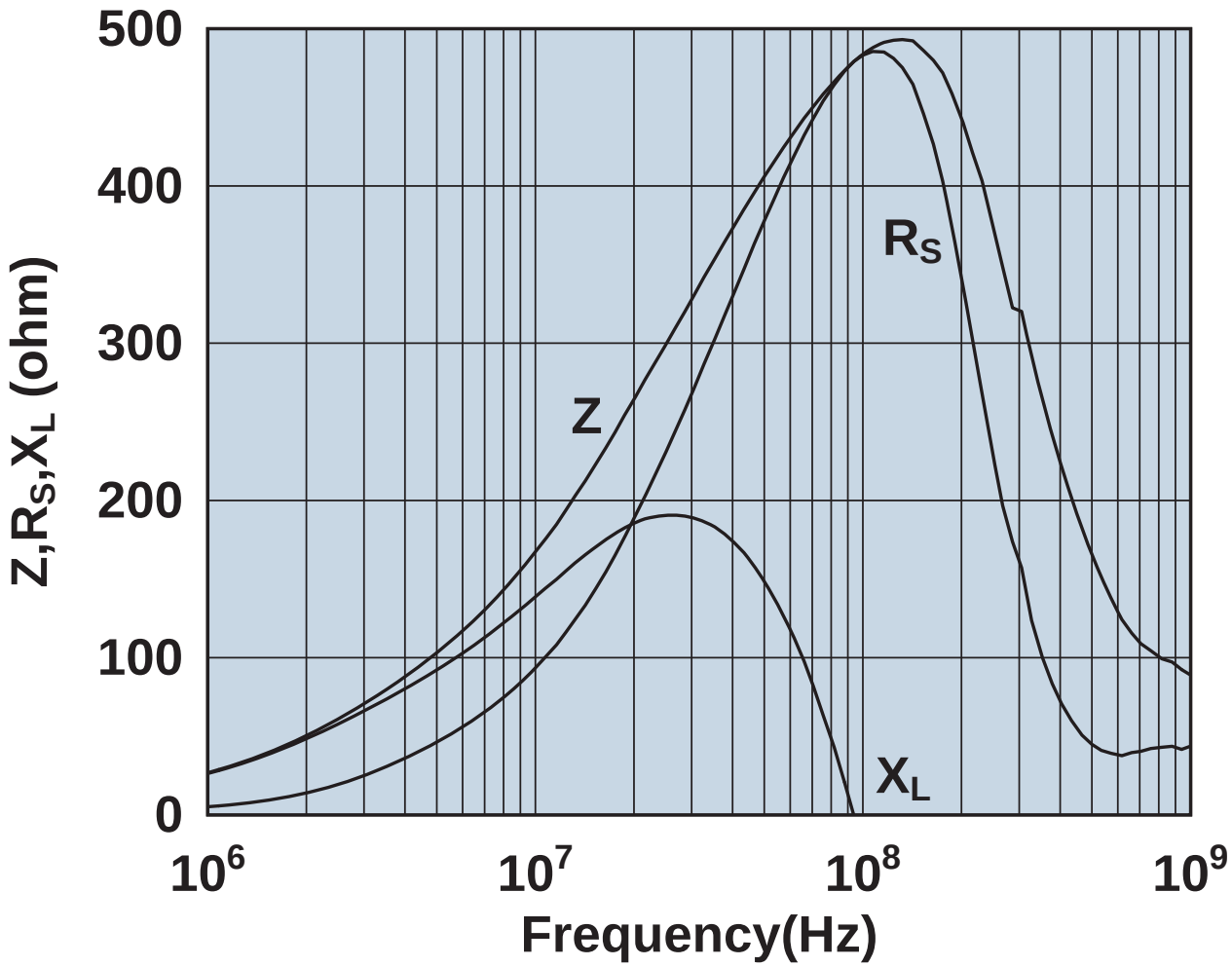
Impedance, reactance, and resistance vs. frequency.

2643167251



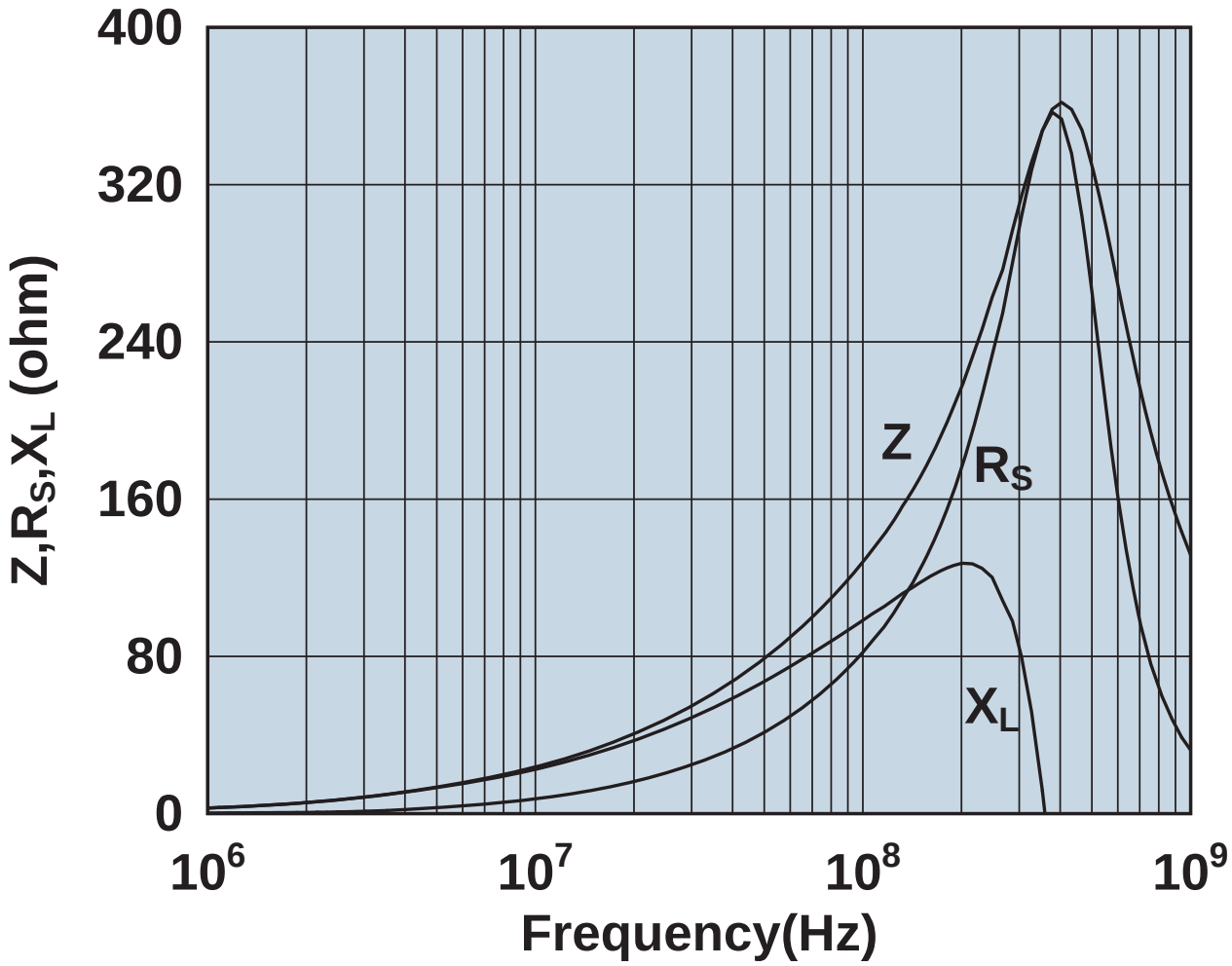
Impedance, reactance, and resistance vs. frequency.

2643167551



Impedance, reactance, and resistance vs. frequency.

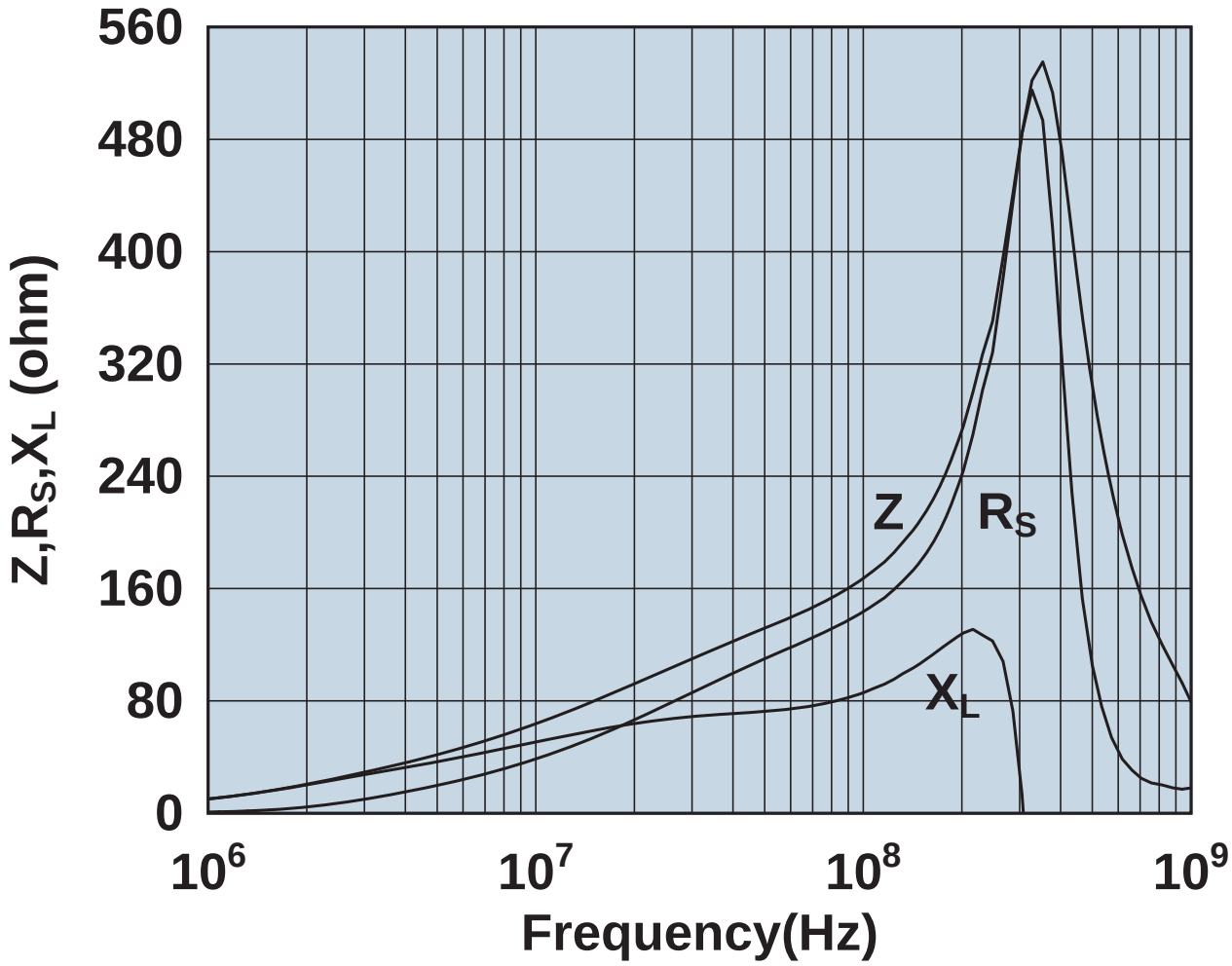
2643167751



Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

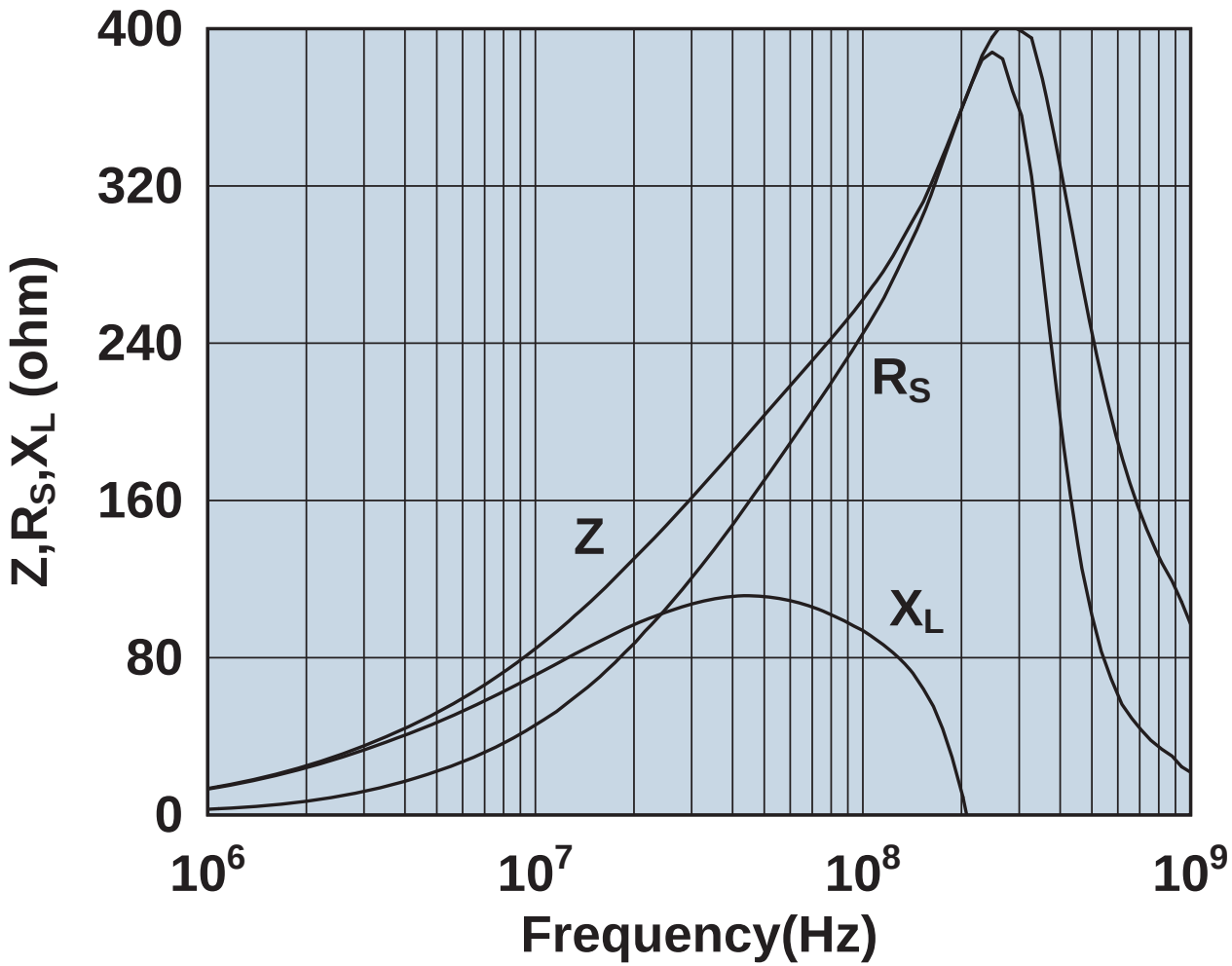
2643167851



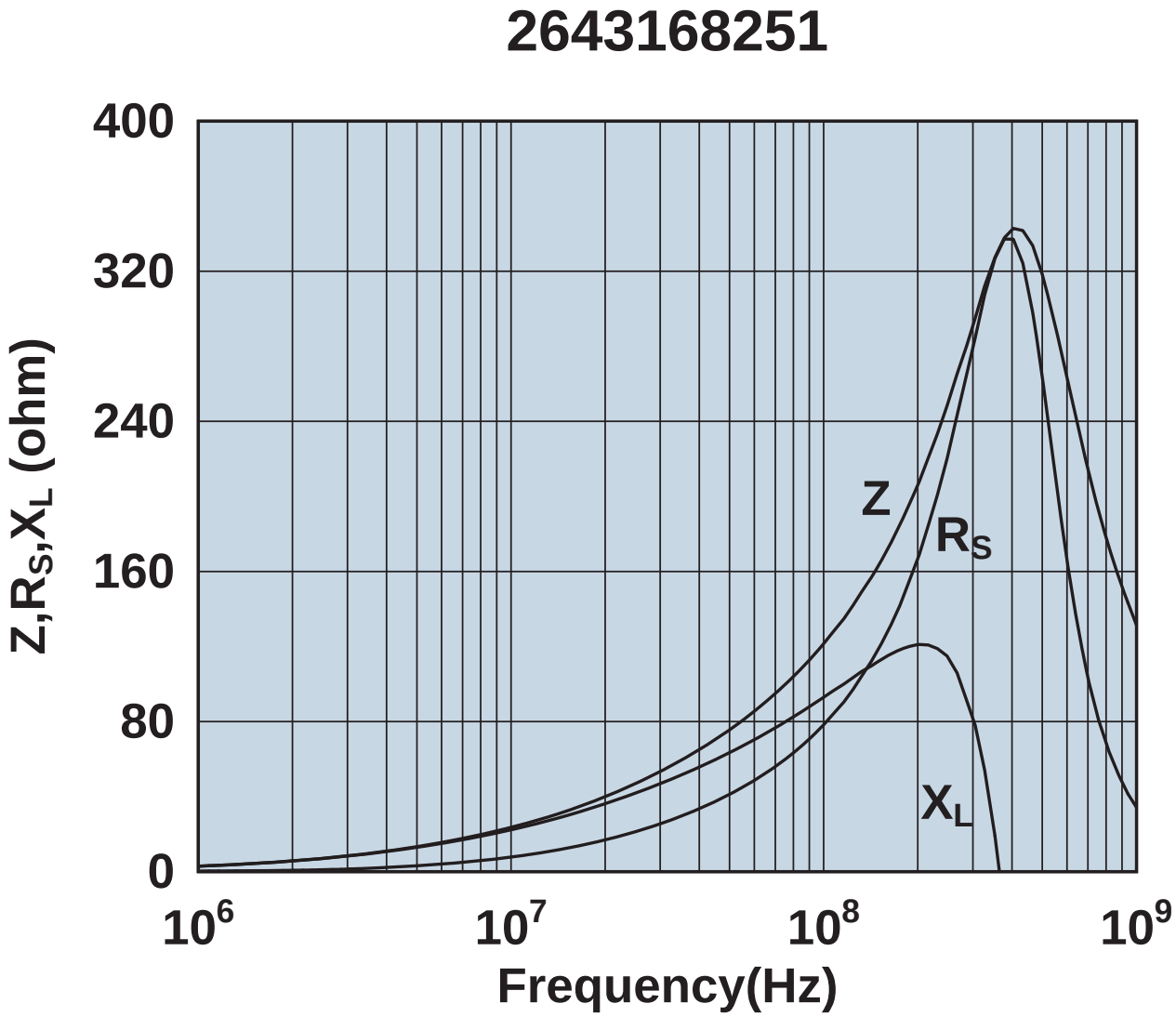
Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

2643168051

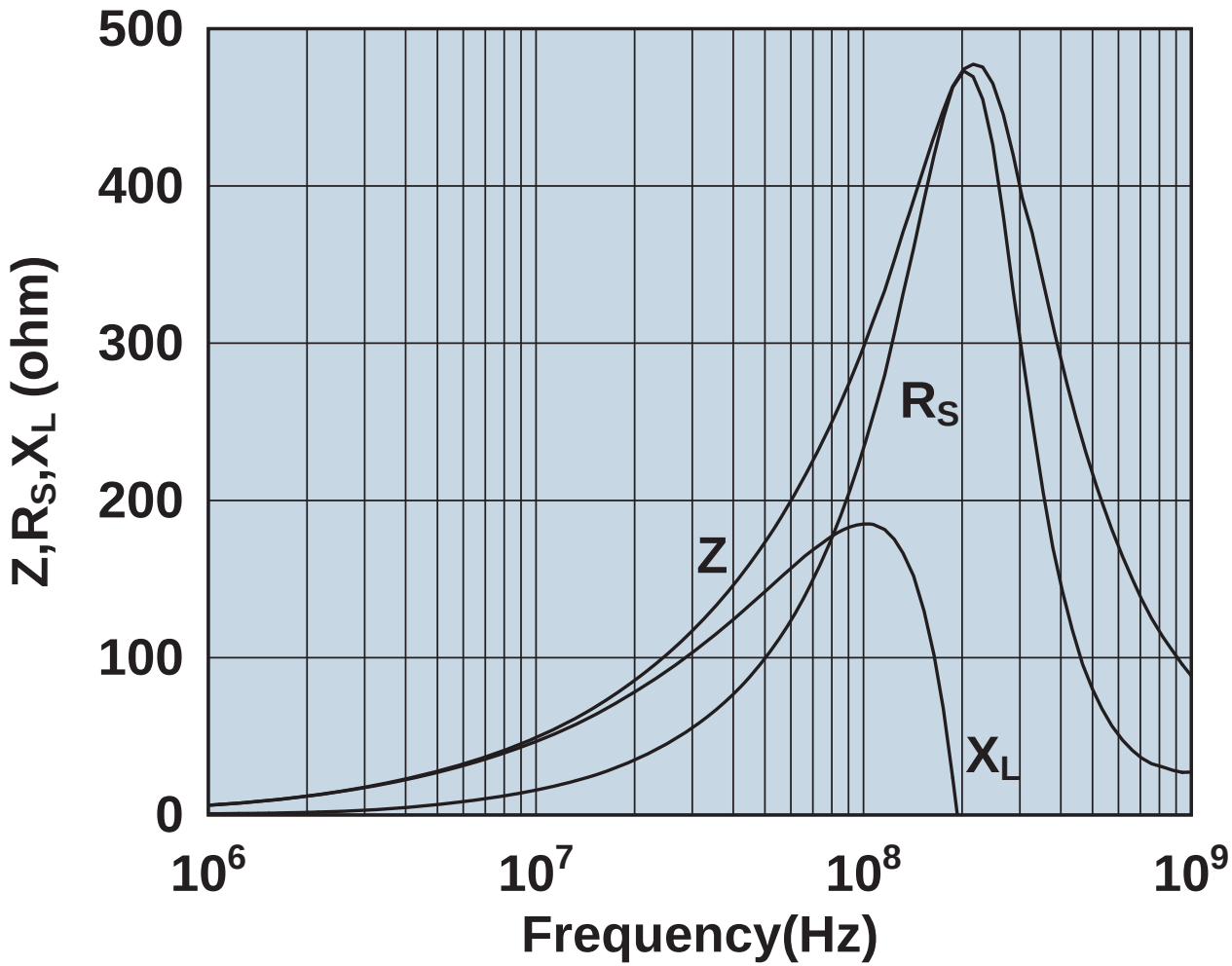


Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

2643168351



Impedance, reactance, and resistance vs. frequency.

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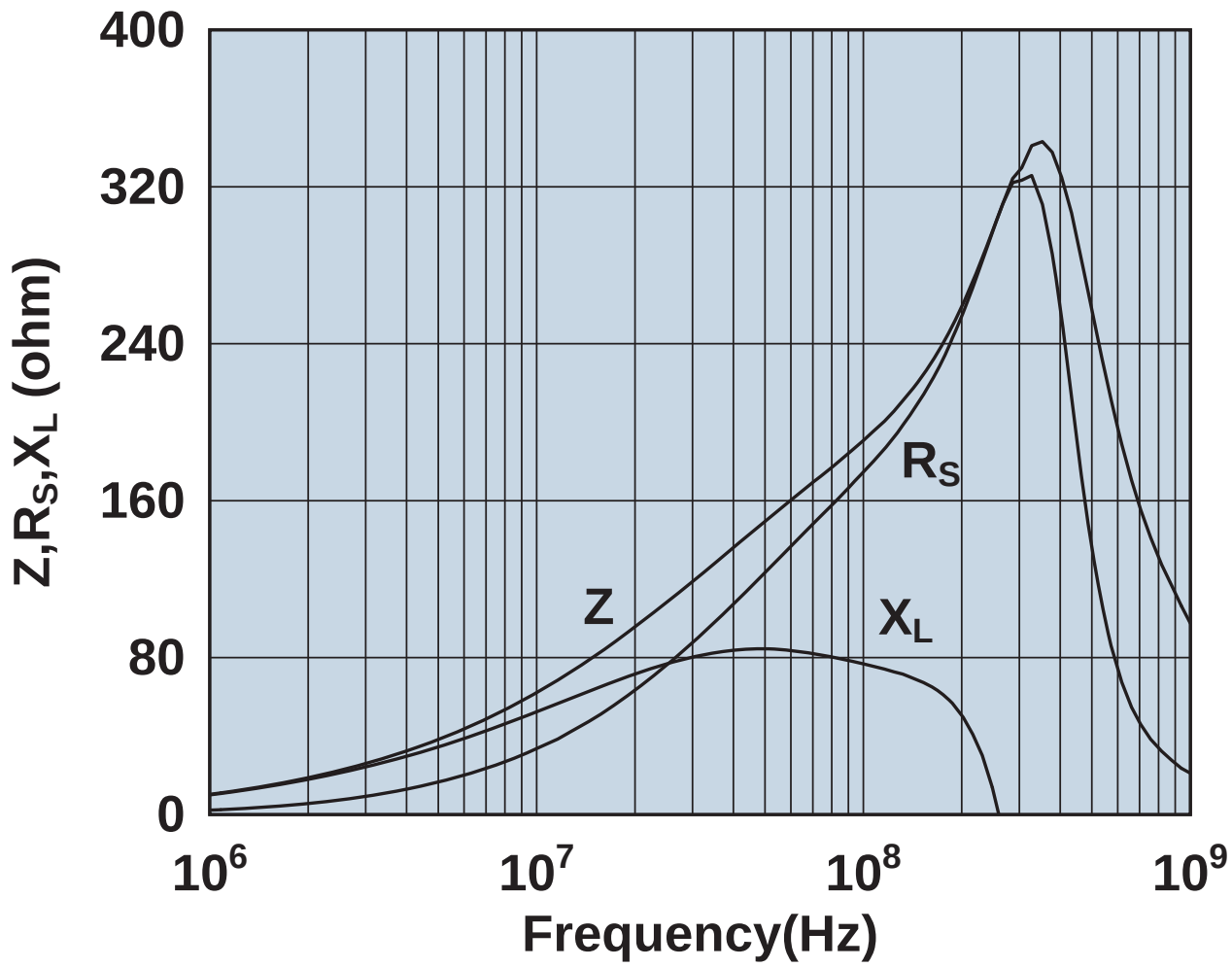

Impedance, reactance, and resistance vs. frequency.

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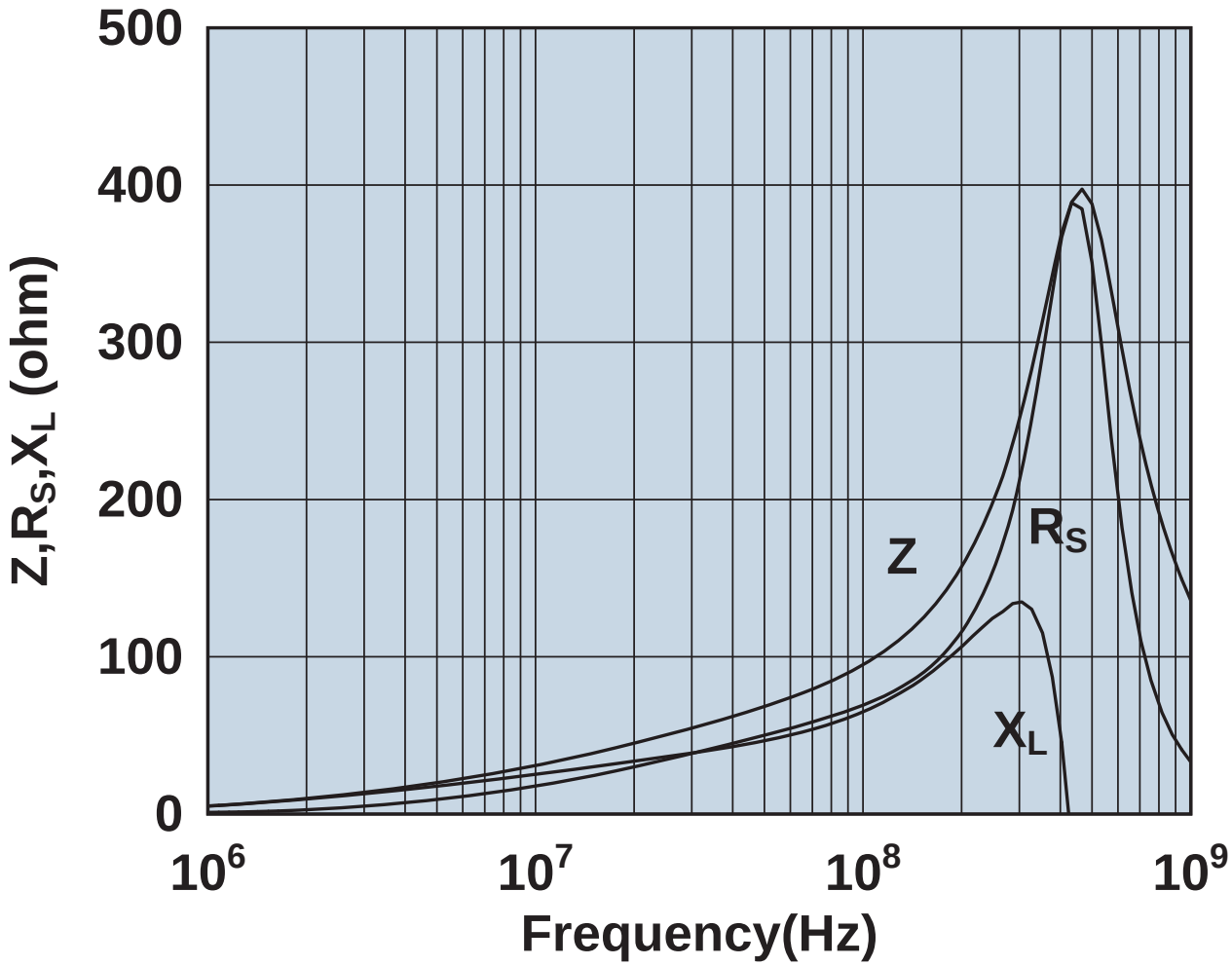

Impedance, reactance, and resistance vs. frequency.

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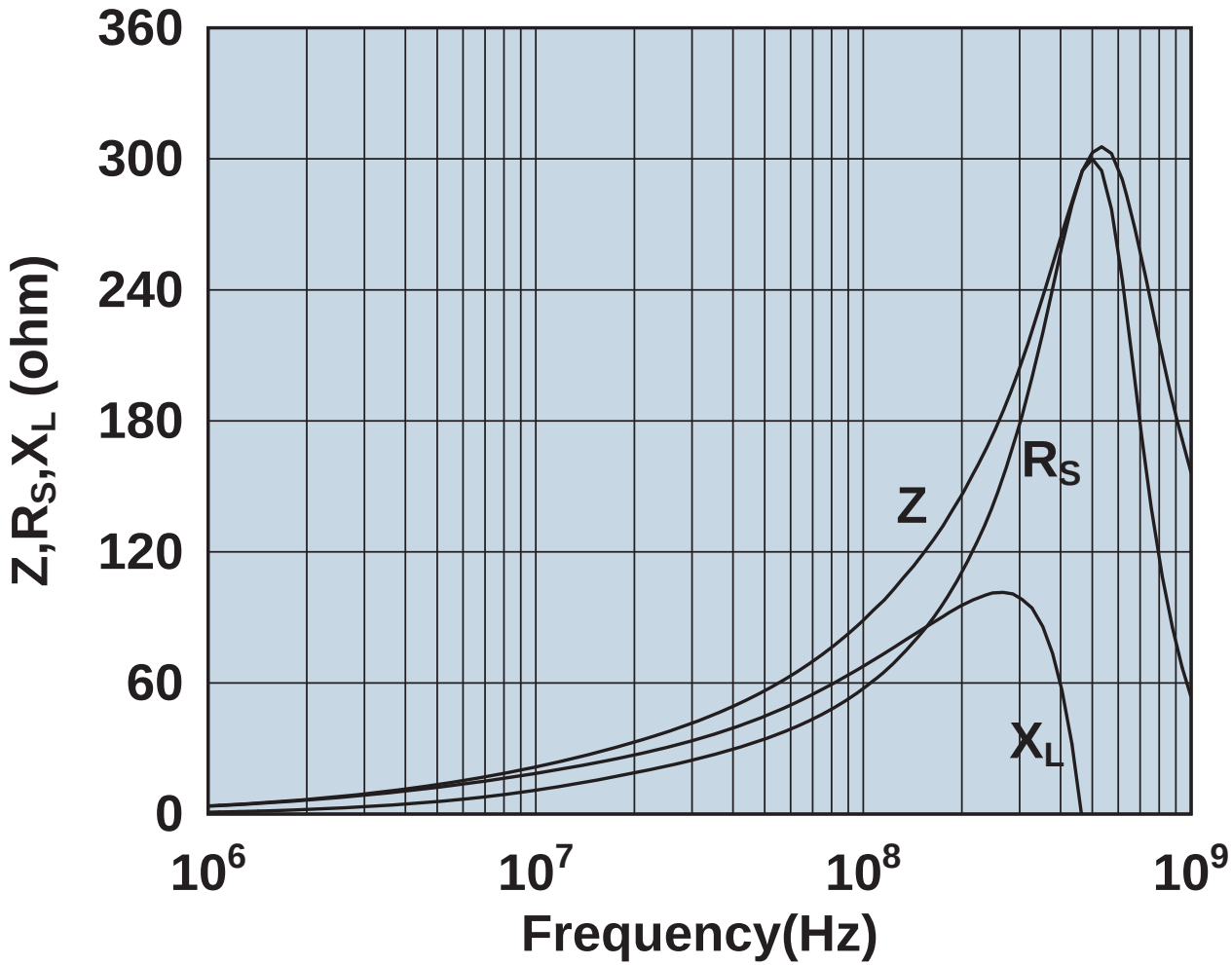

Impedance, reactance, and resistance vs. frequency.

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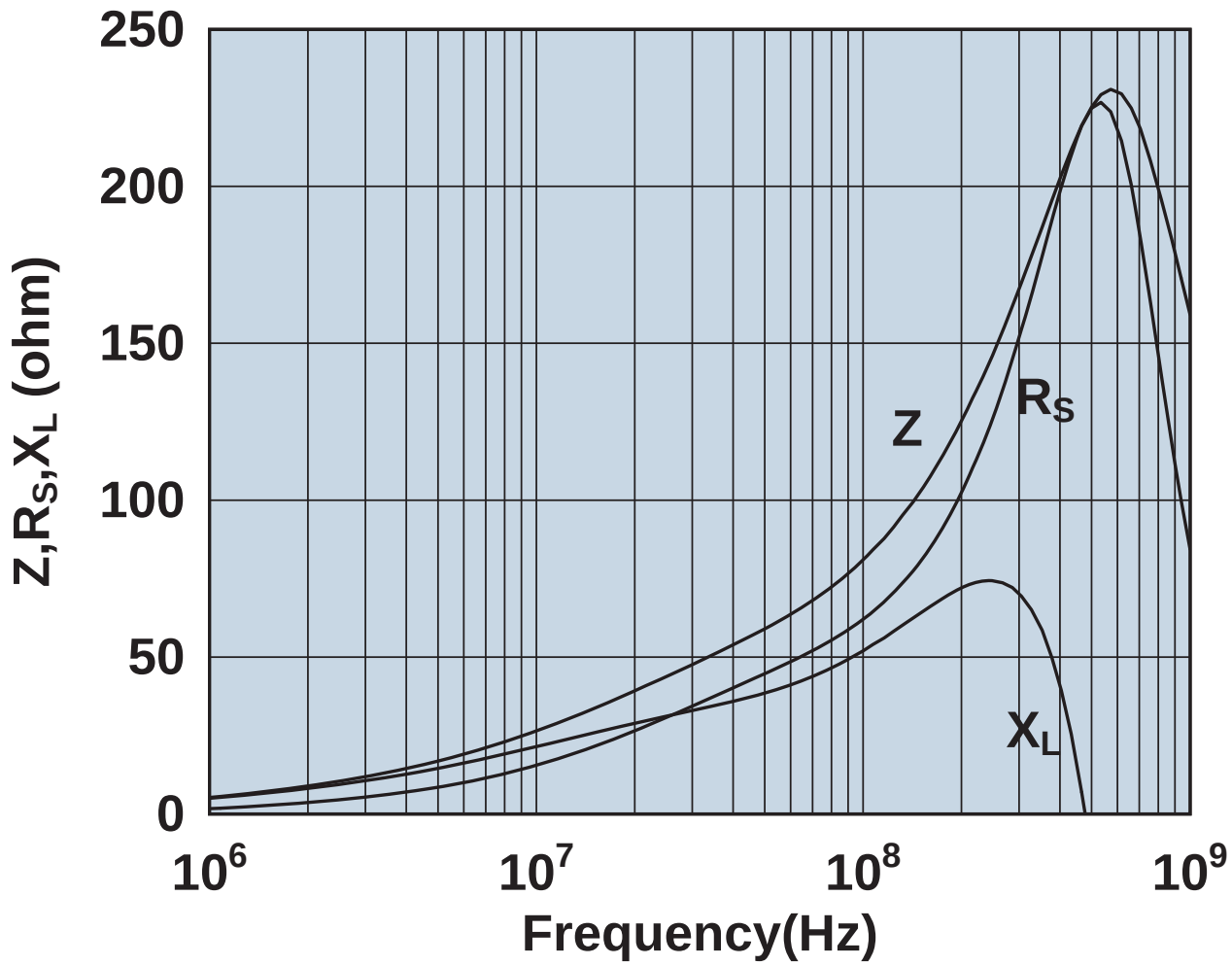
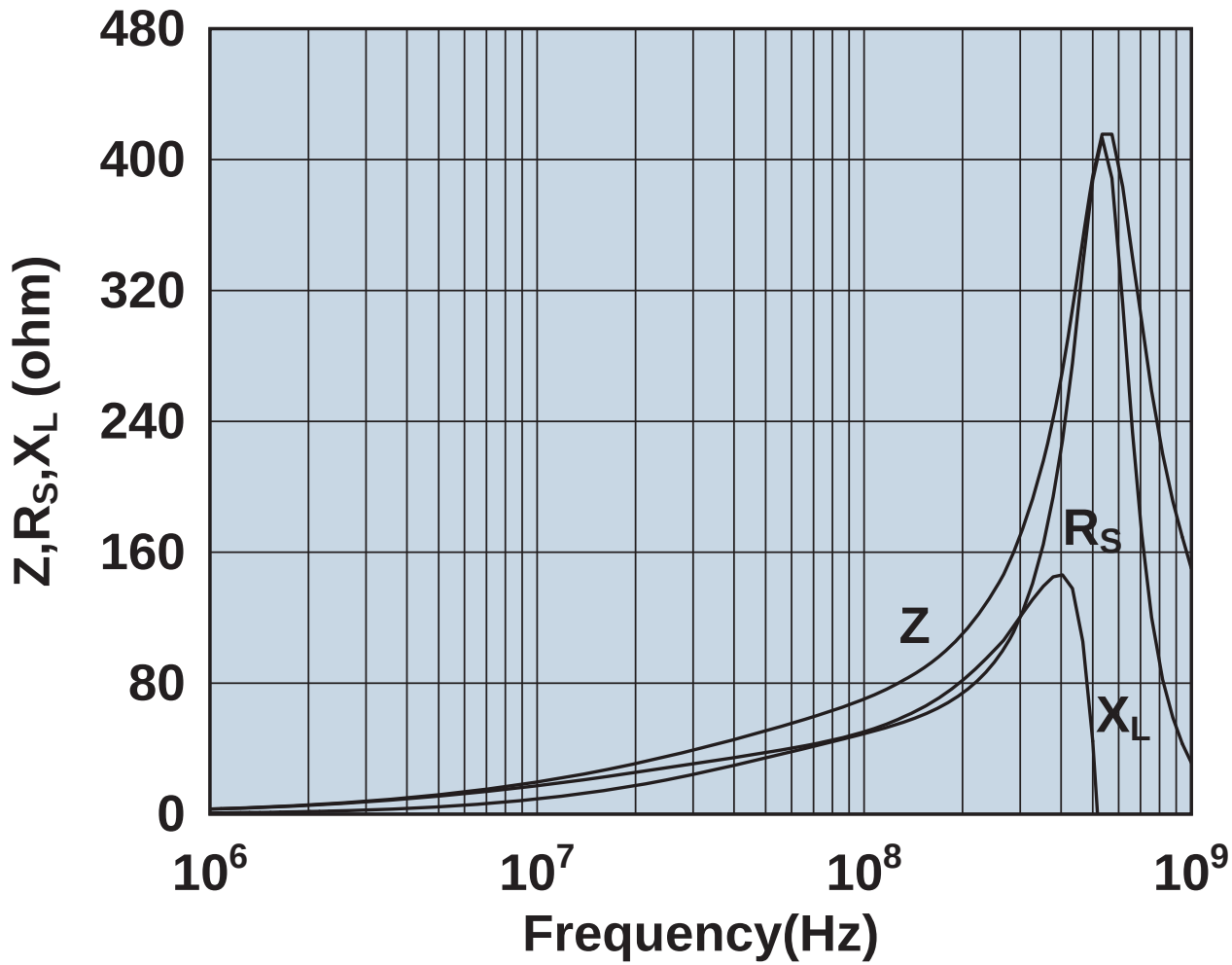


Impedance, reactance, and resistance vs. frequency.

2643170251



Impedance, reactance, and resistance vs. frequency.

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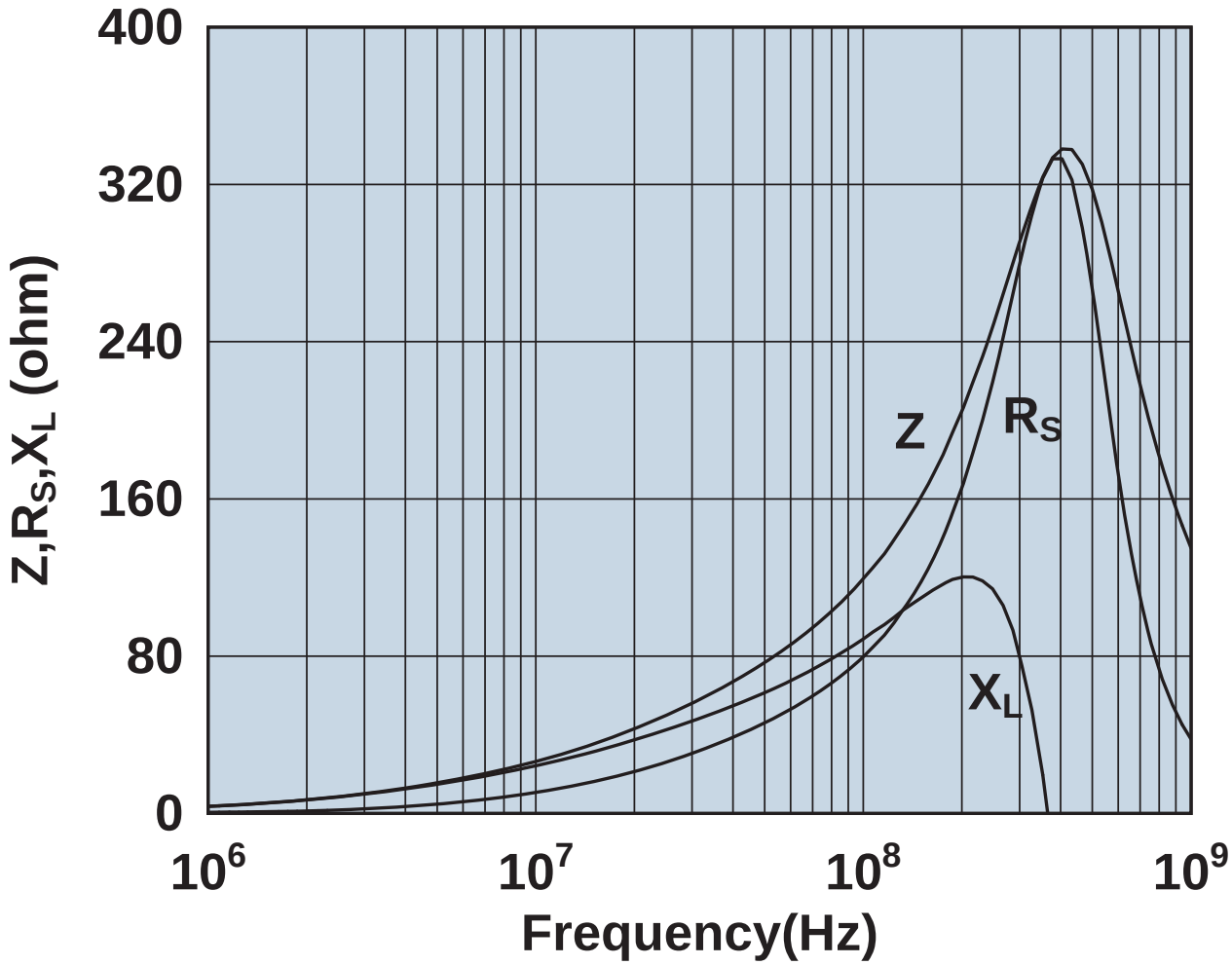
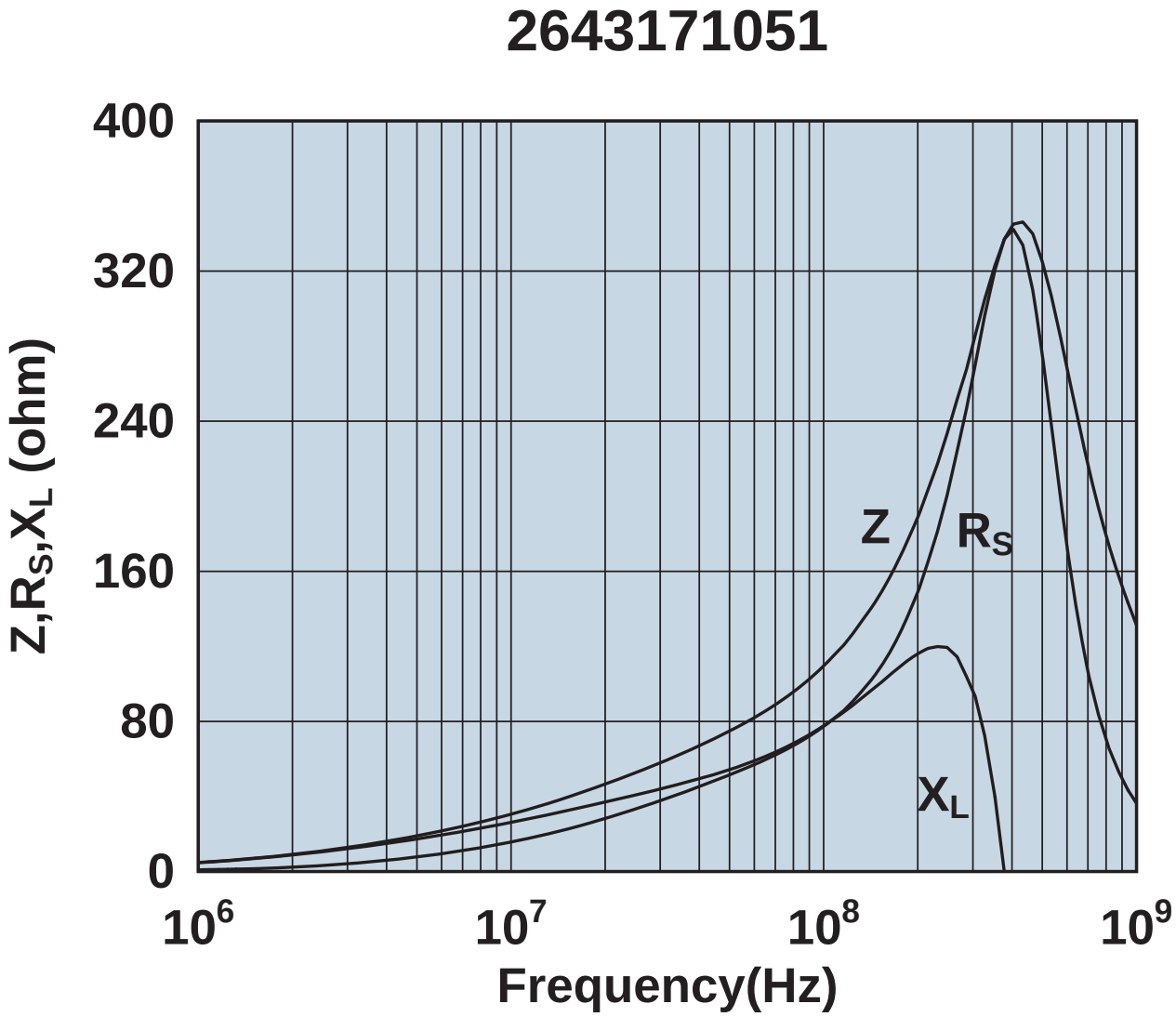
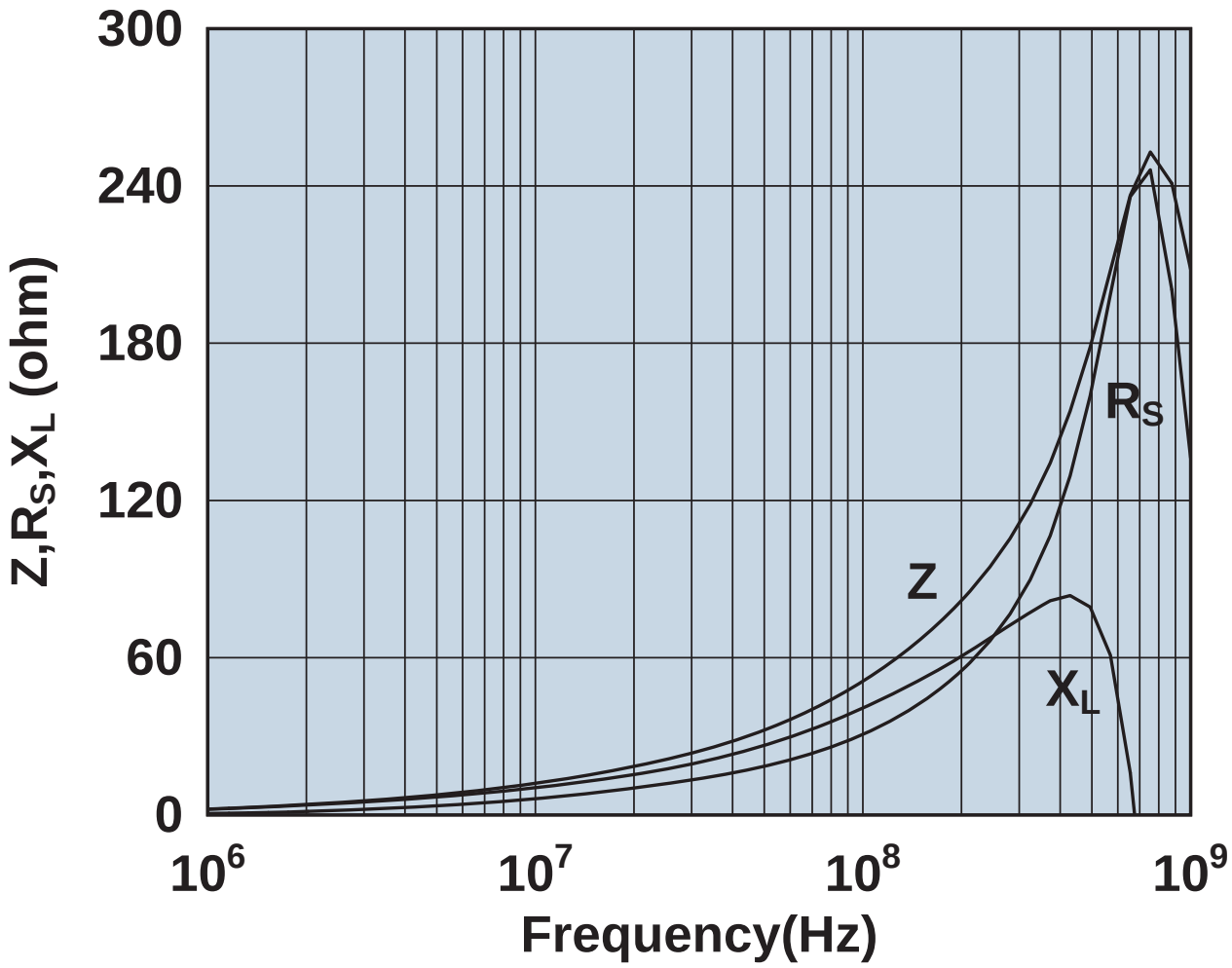


Impedance, reactance, and resistance vs. frequency.



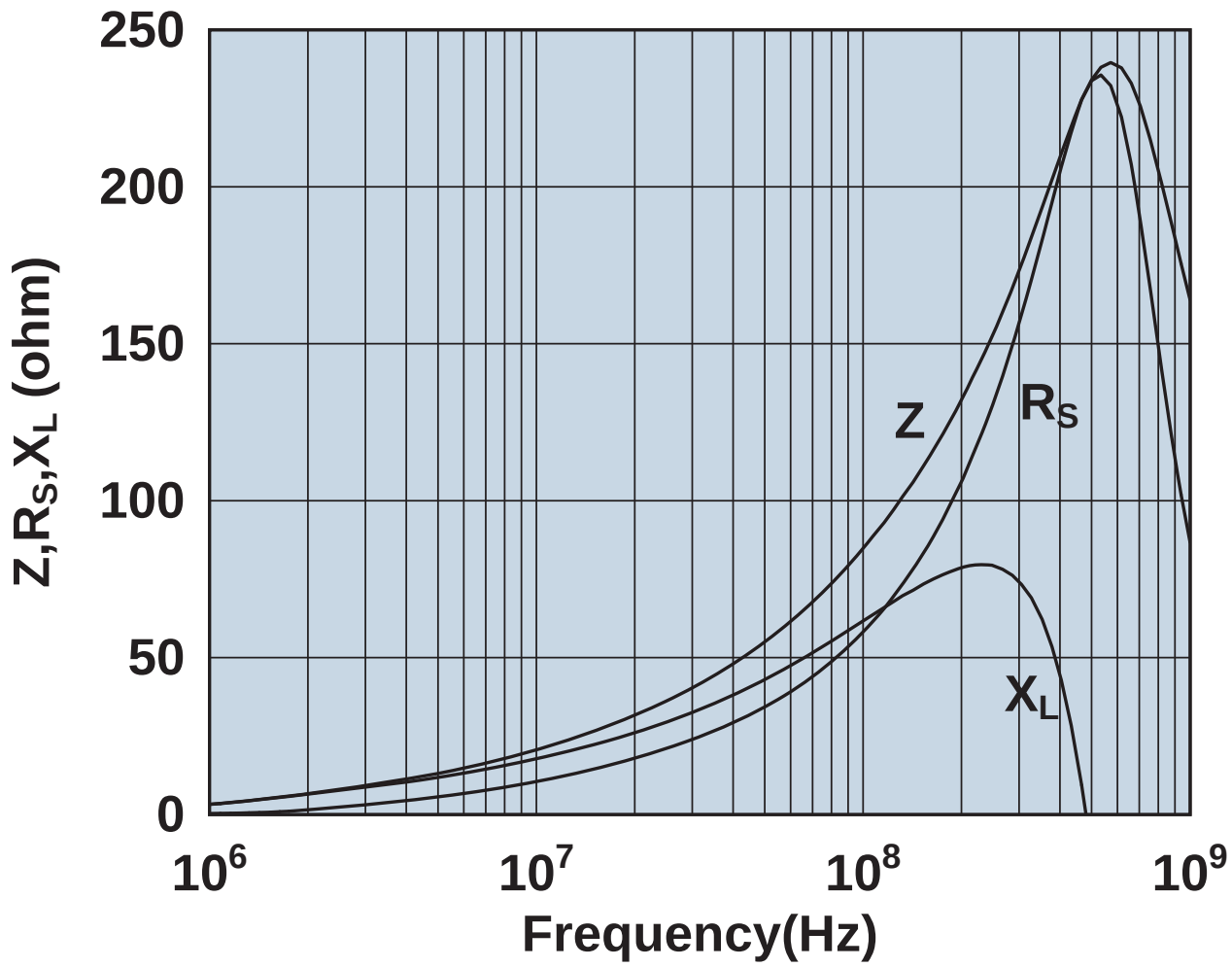
Impedance, reactance, and resistance vs. frequency.

2643172551



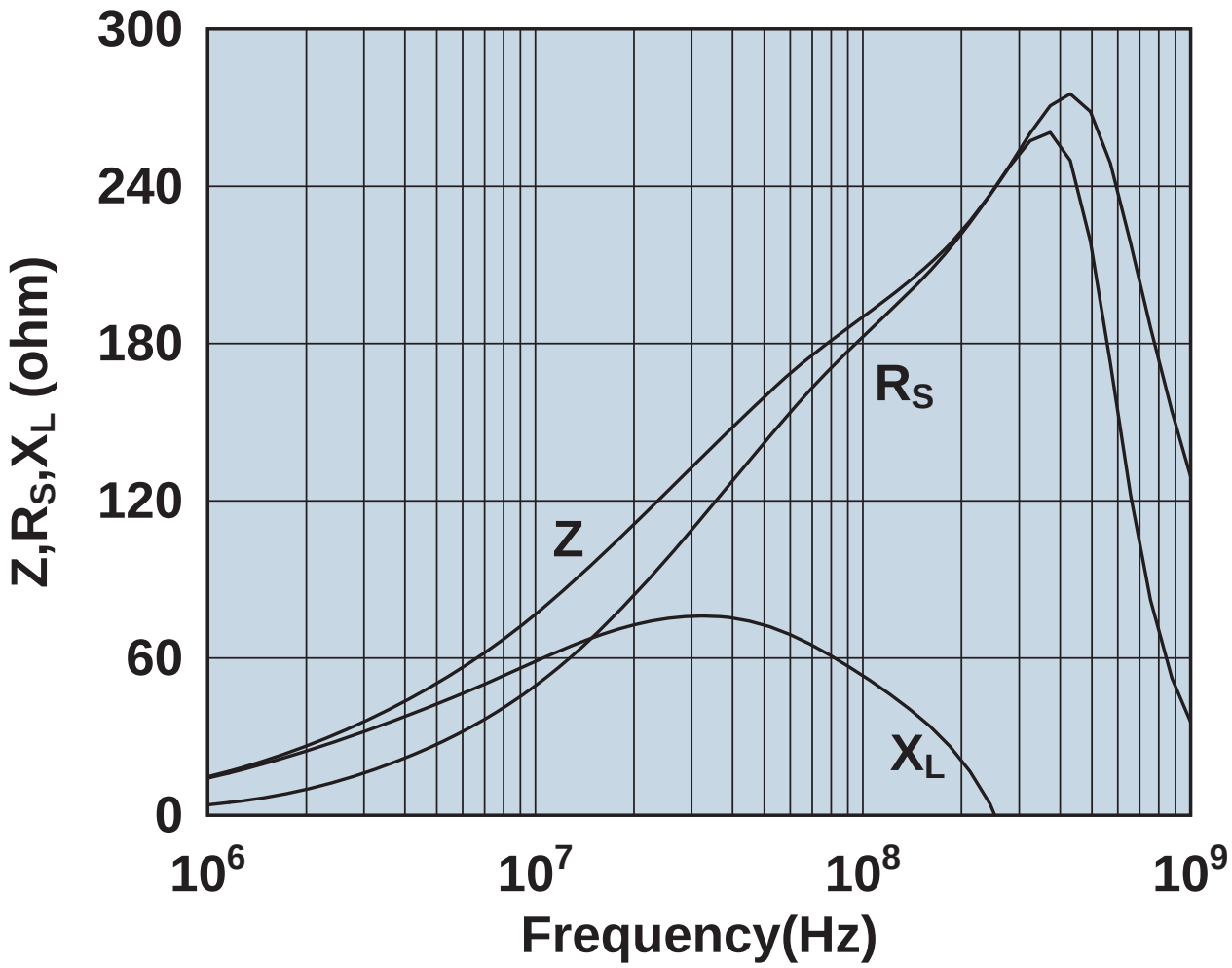
Impedance, reactance, and resistance vs. frequency.

2643173351



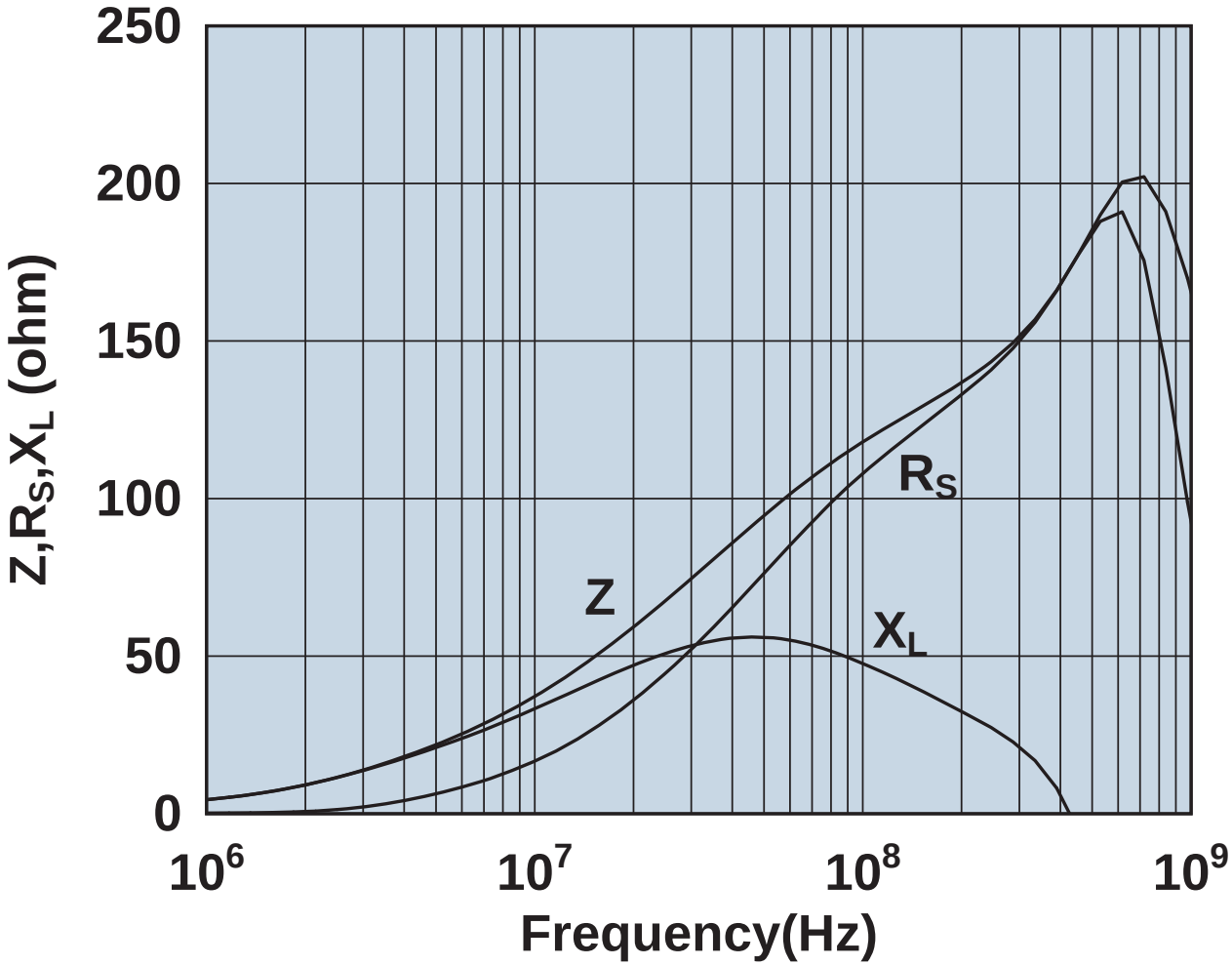
Impedance, reactance, and resistance vs. frequency.

2643175451



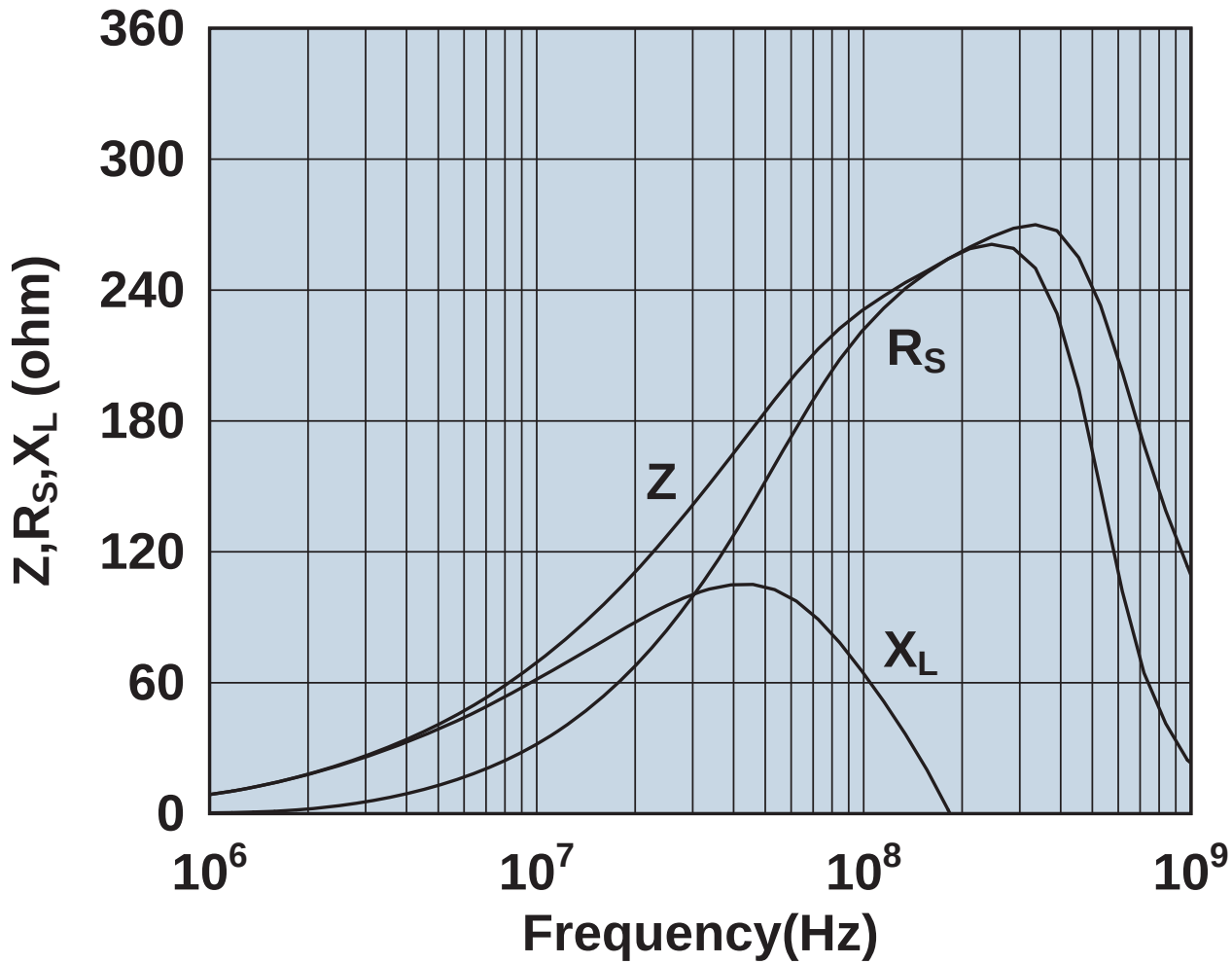
Impedance, reactance, and resistance vs. frequency.

2643178181



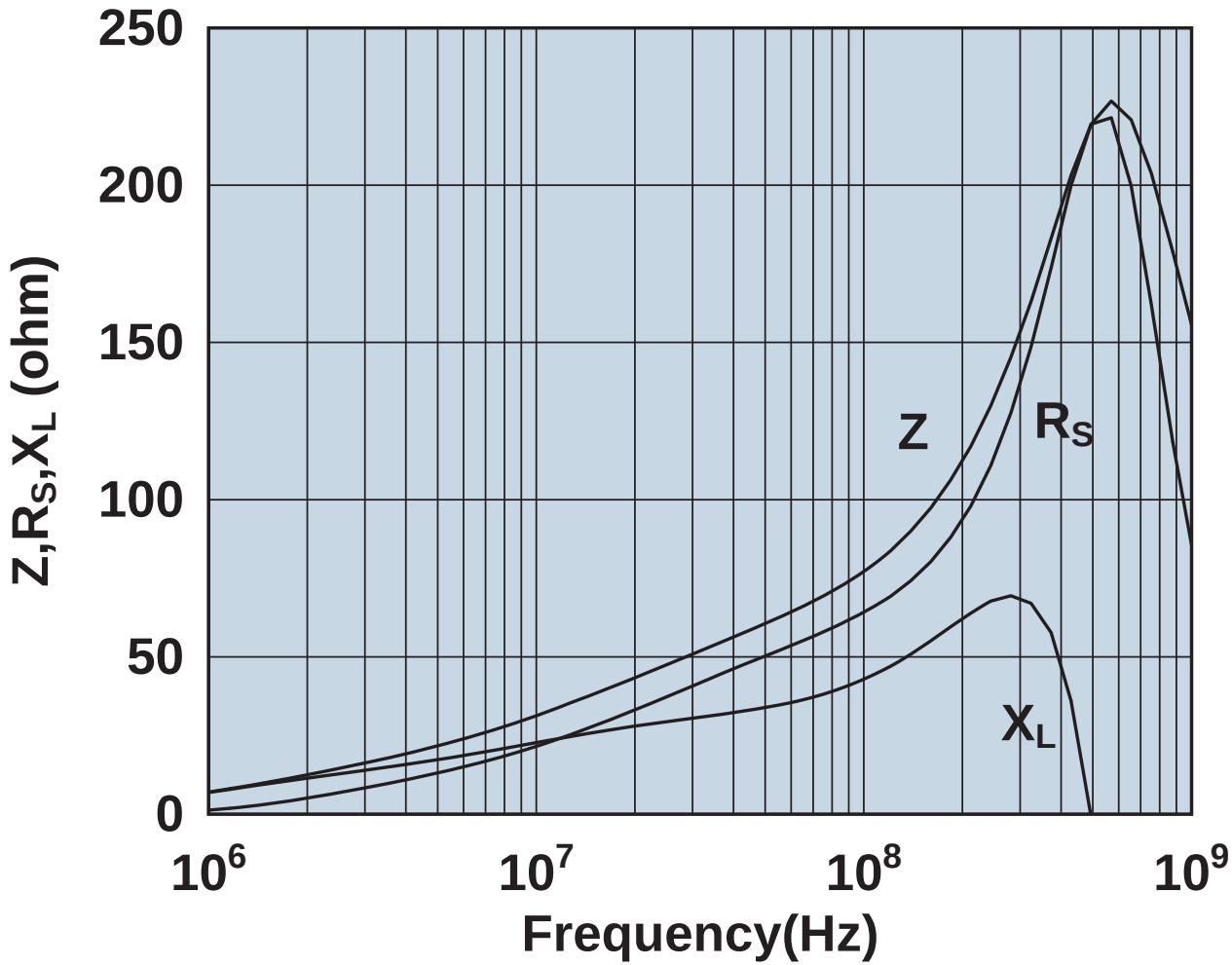
Impedance, reactance, and resistance vs. frequency.

2643178281



Impedance, reactance, and resistance vs. frequency.

2643178351



Impedance, reactance, and resistance vs. frequency.

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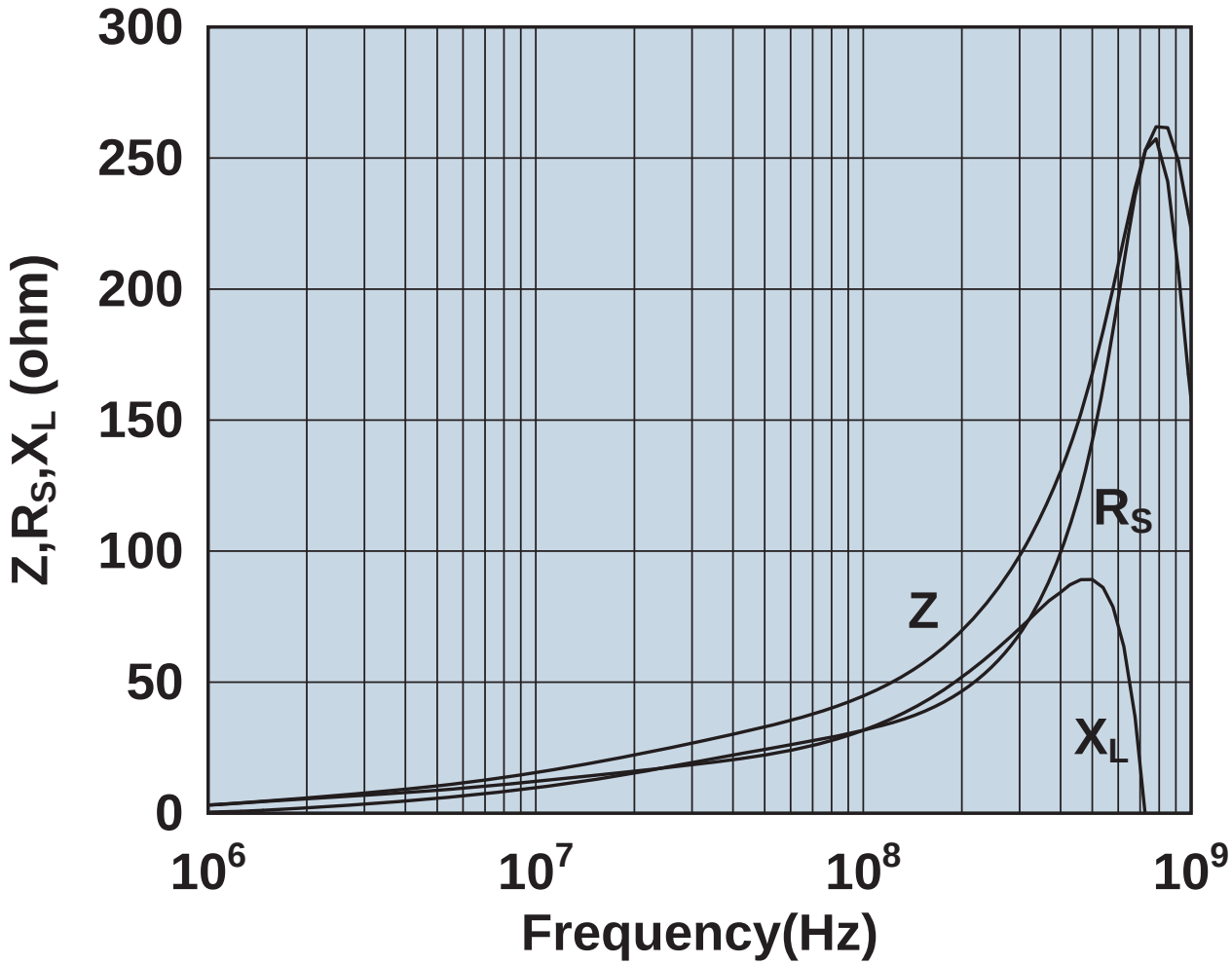
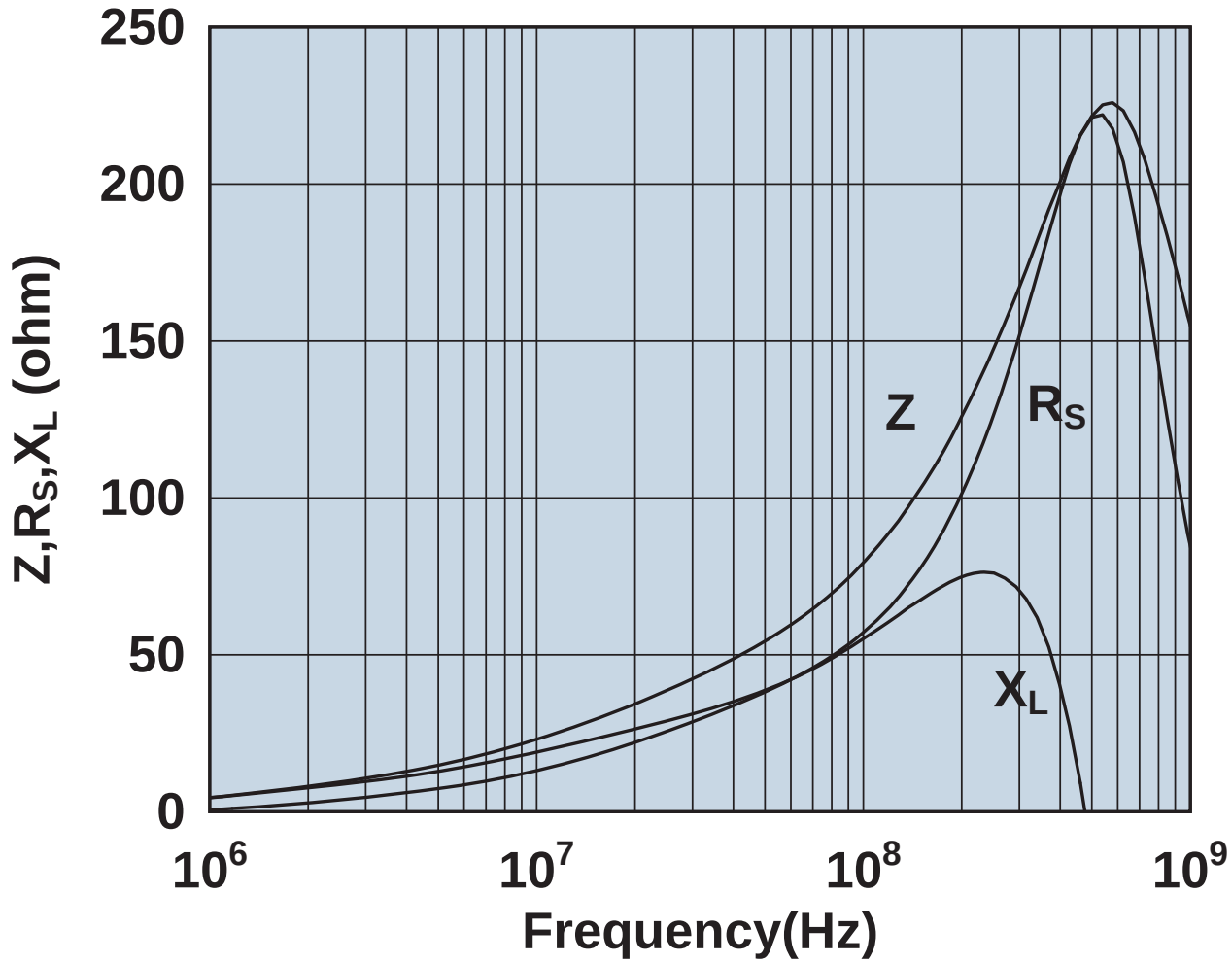


Impedance, reactance, and resistance vs. frequency.

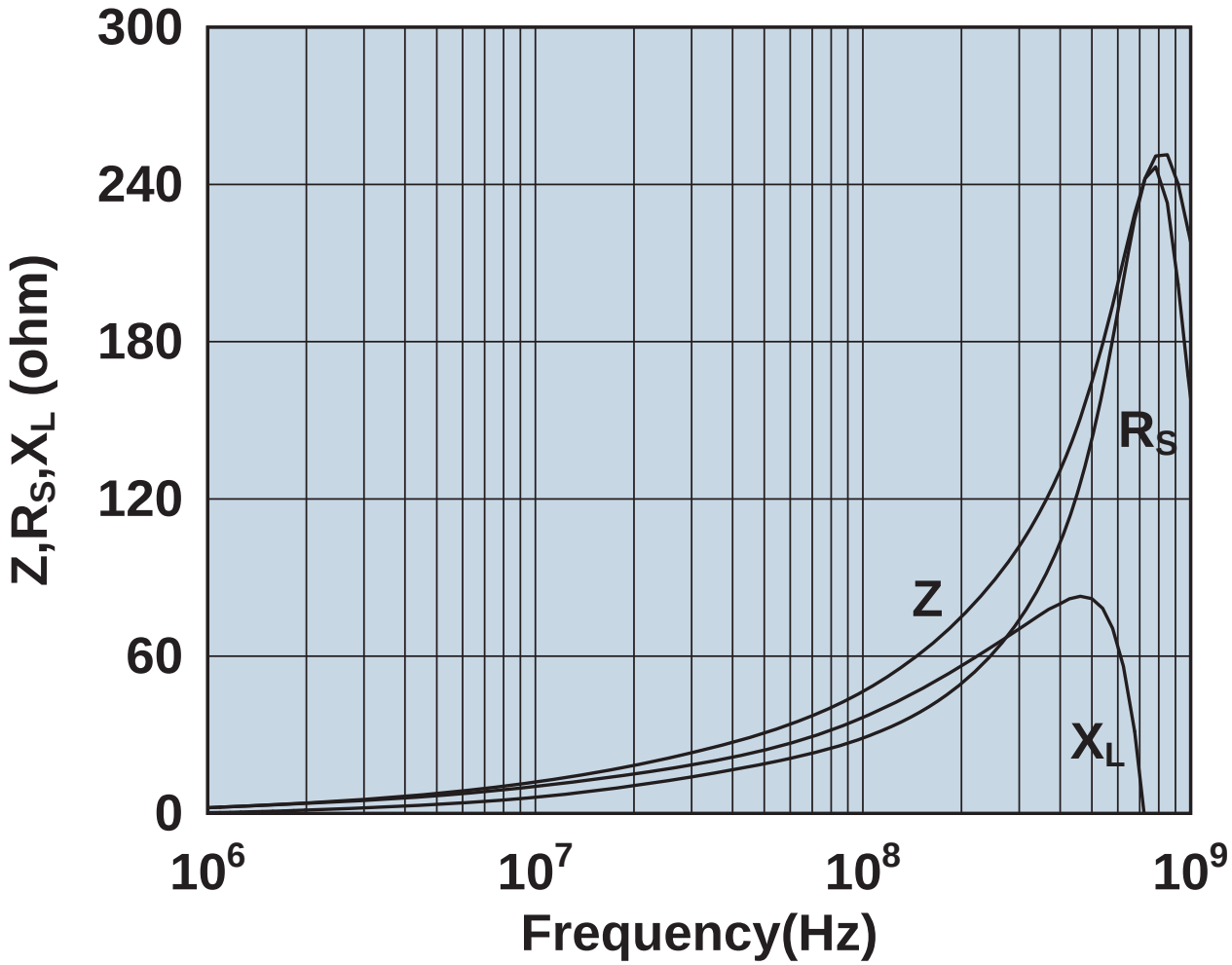
2643178551



Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

2643178651



Impedance, reactance, and resistance vs. frequency.

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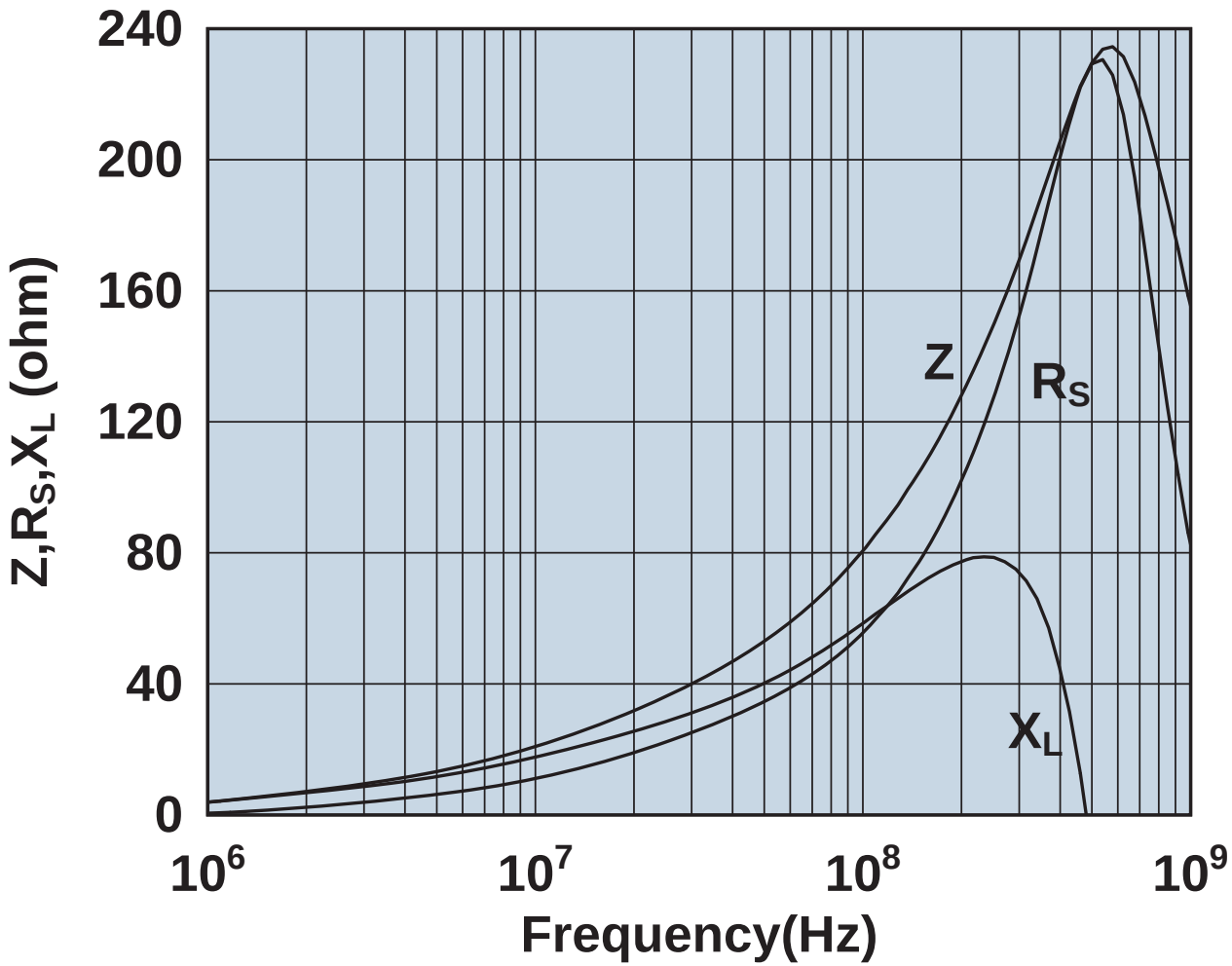

Impedance, reactance, and resistance vs. frequency.

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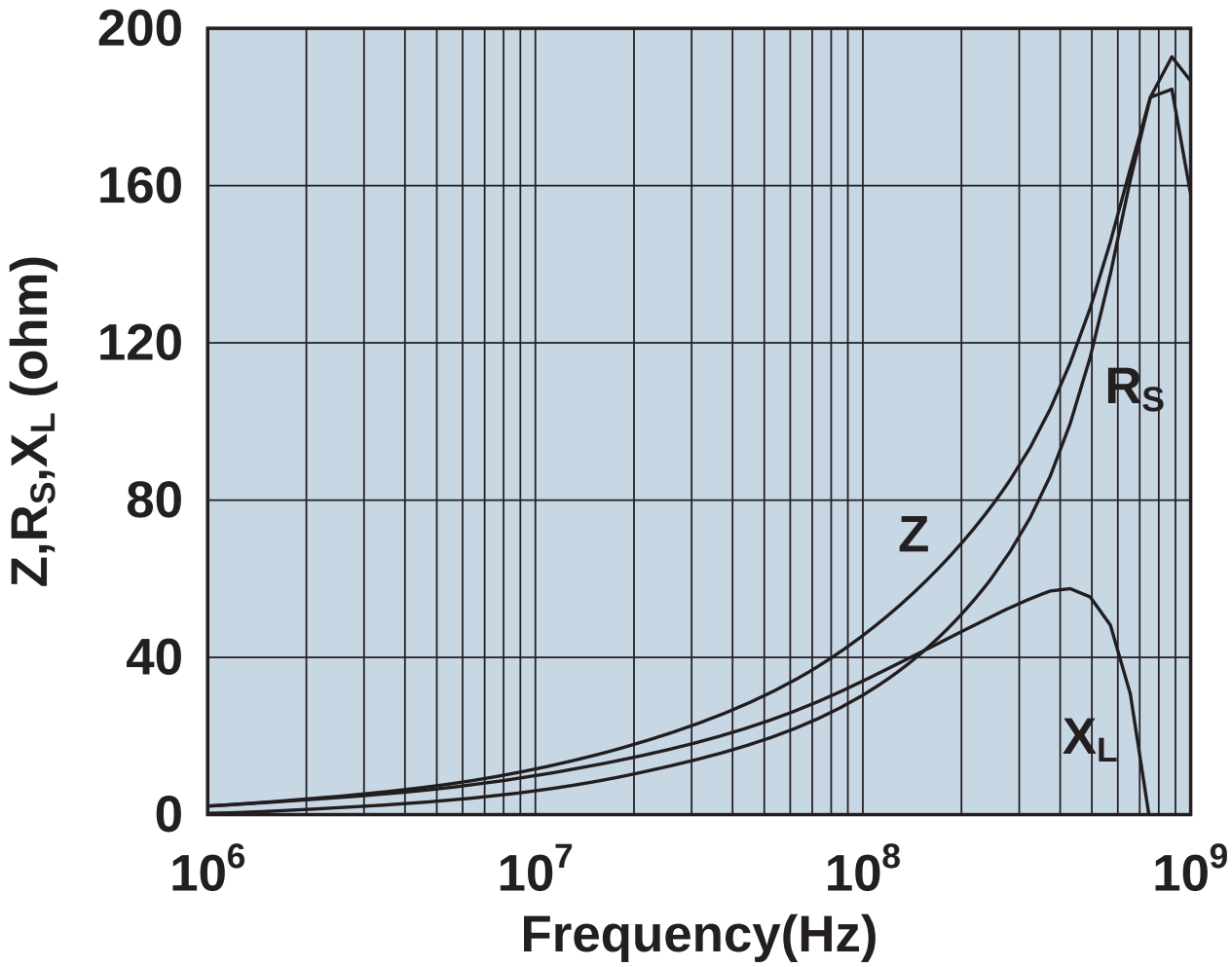
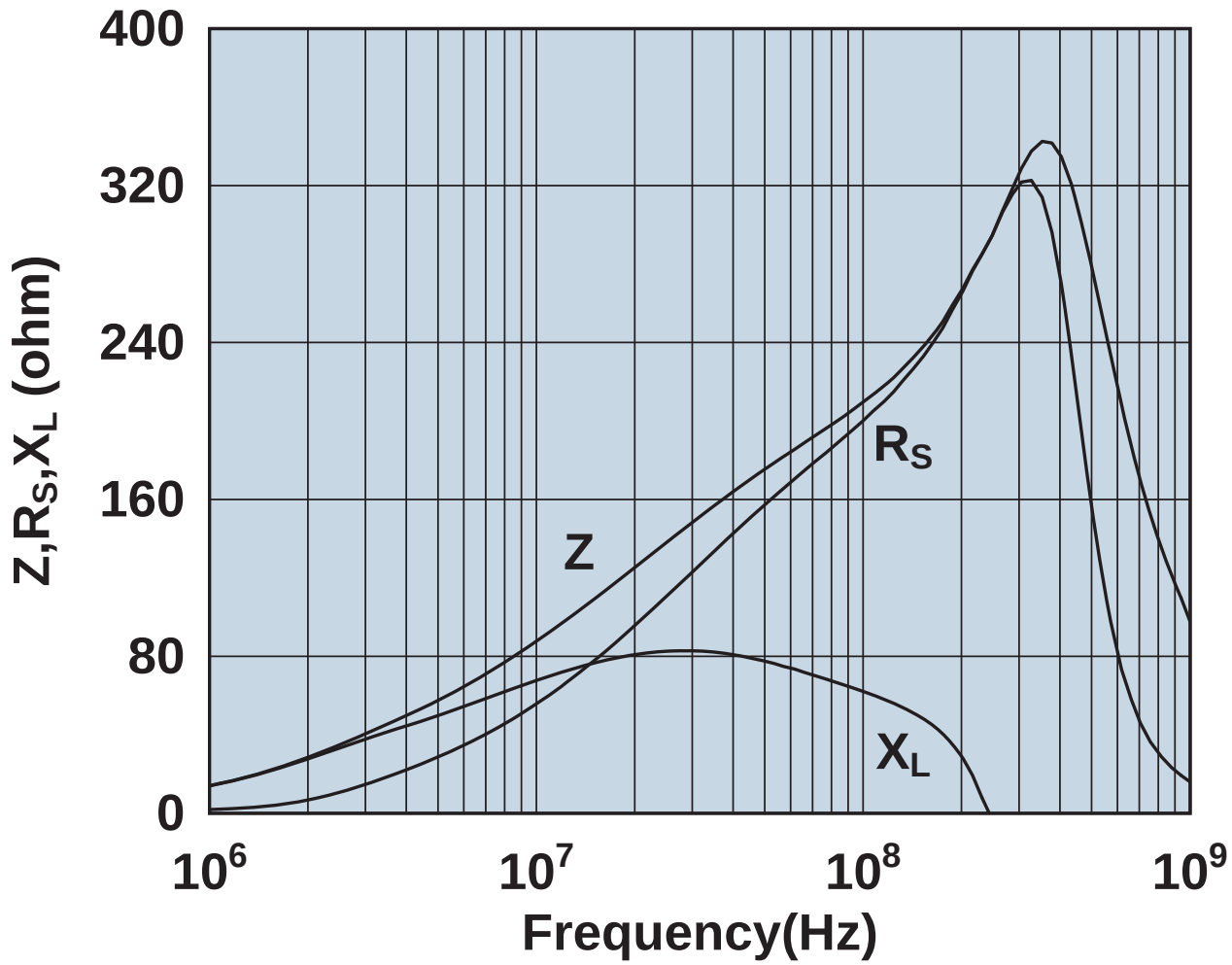


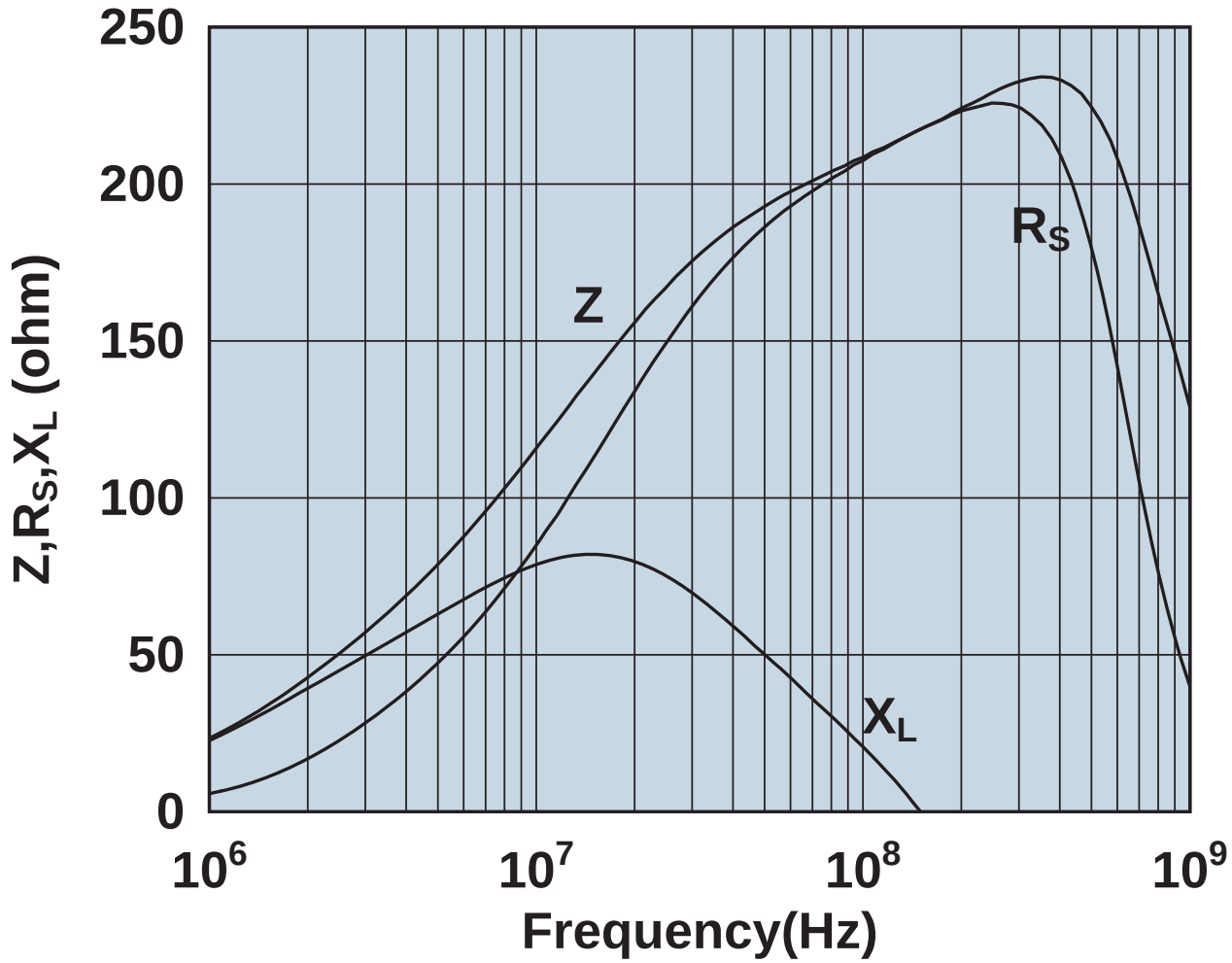
Impedance, reactance, and resistance vs. frequency.

2643251002

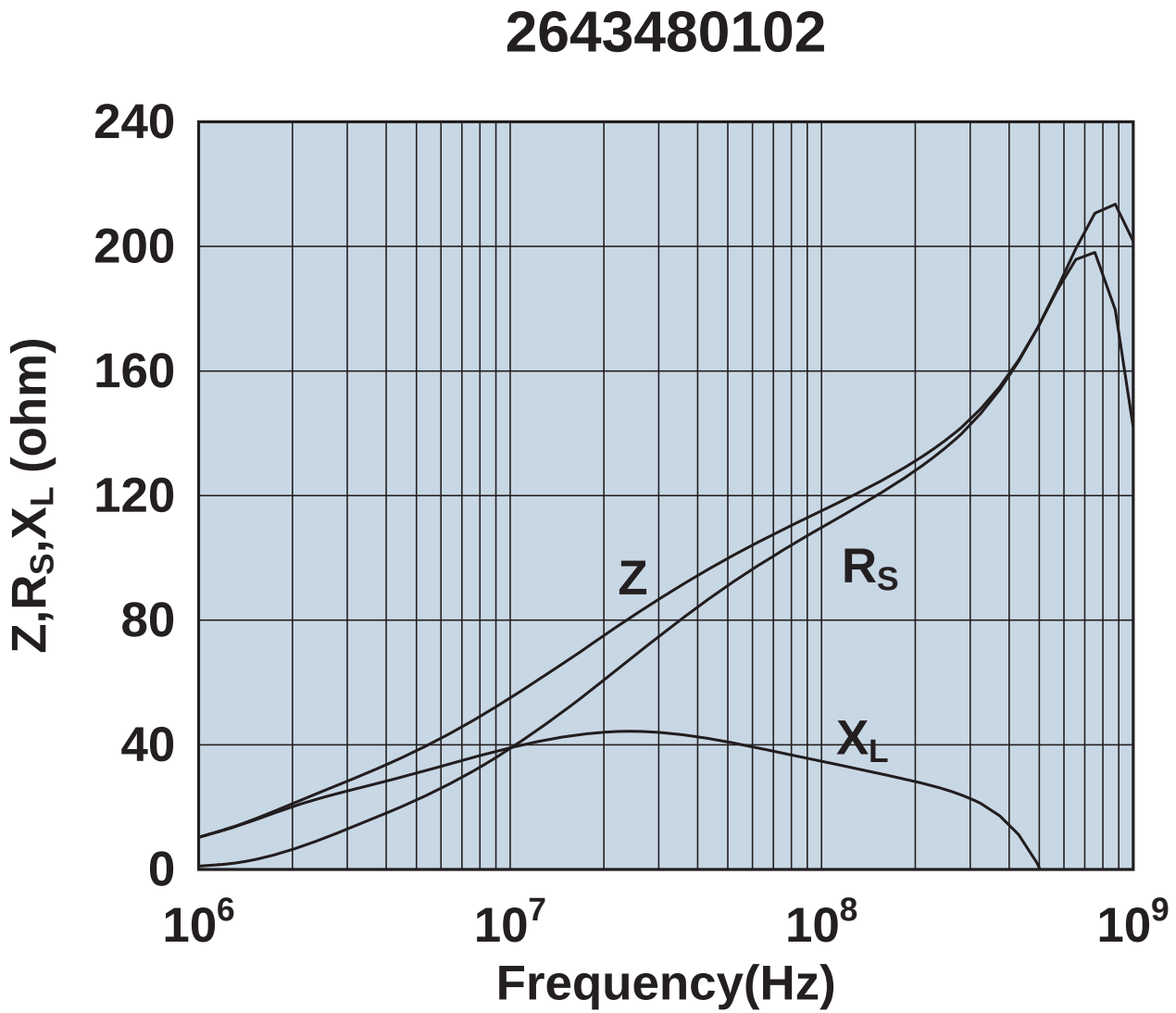


Impedance, reactance, and resistance vs. frequency.

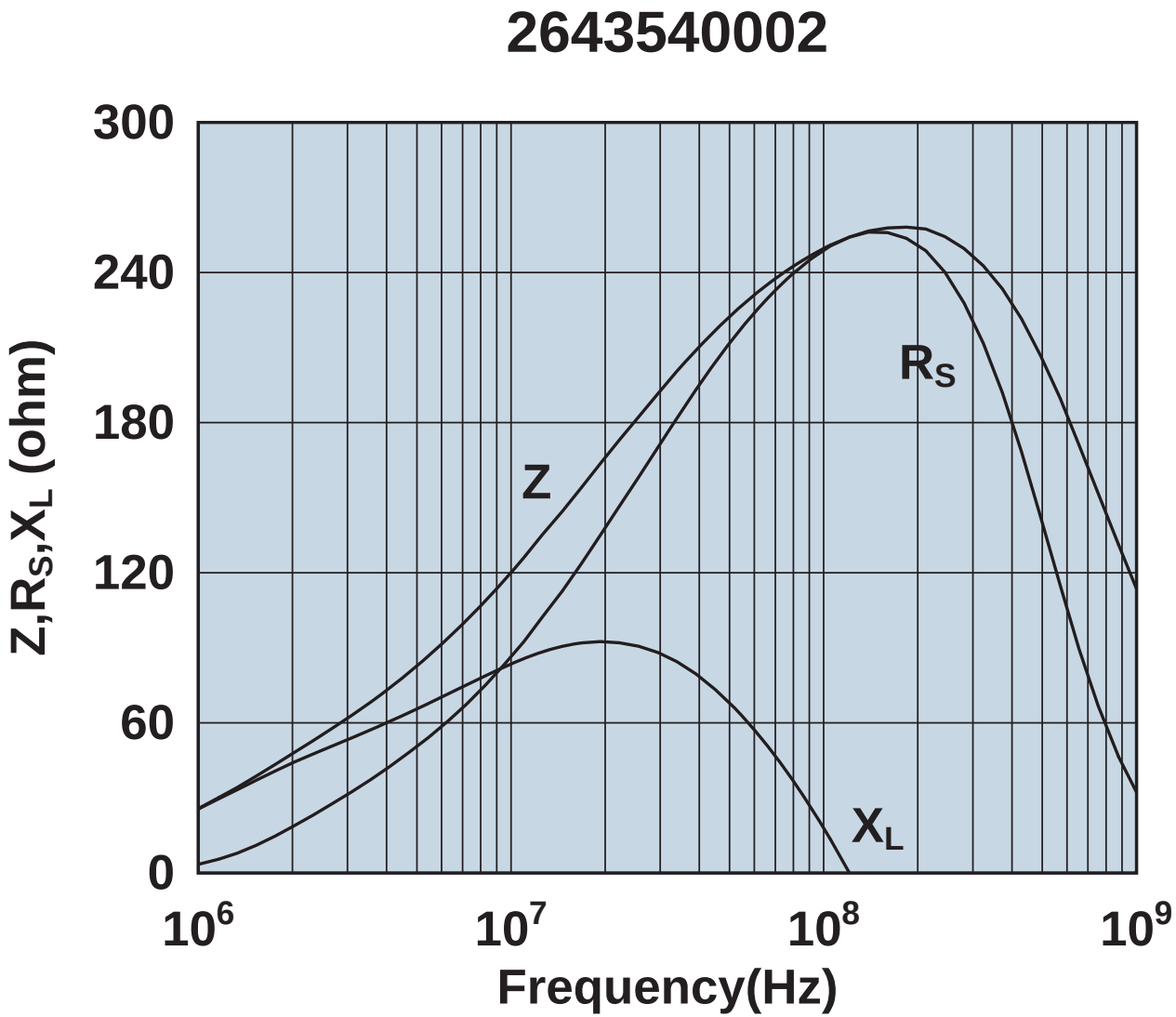
2643480002



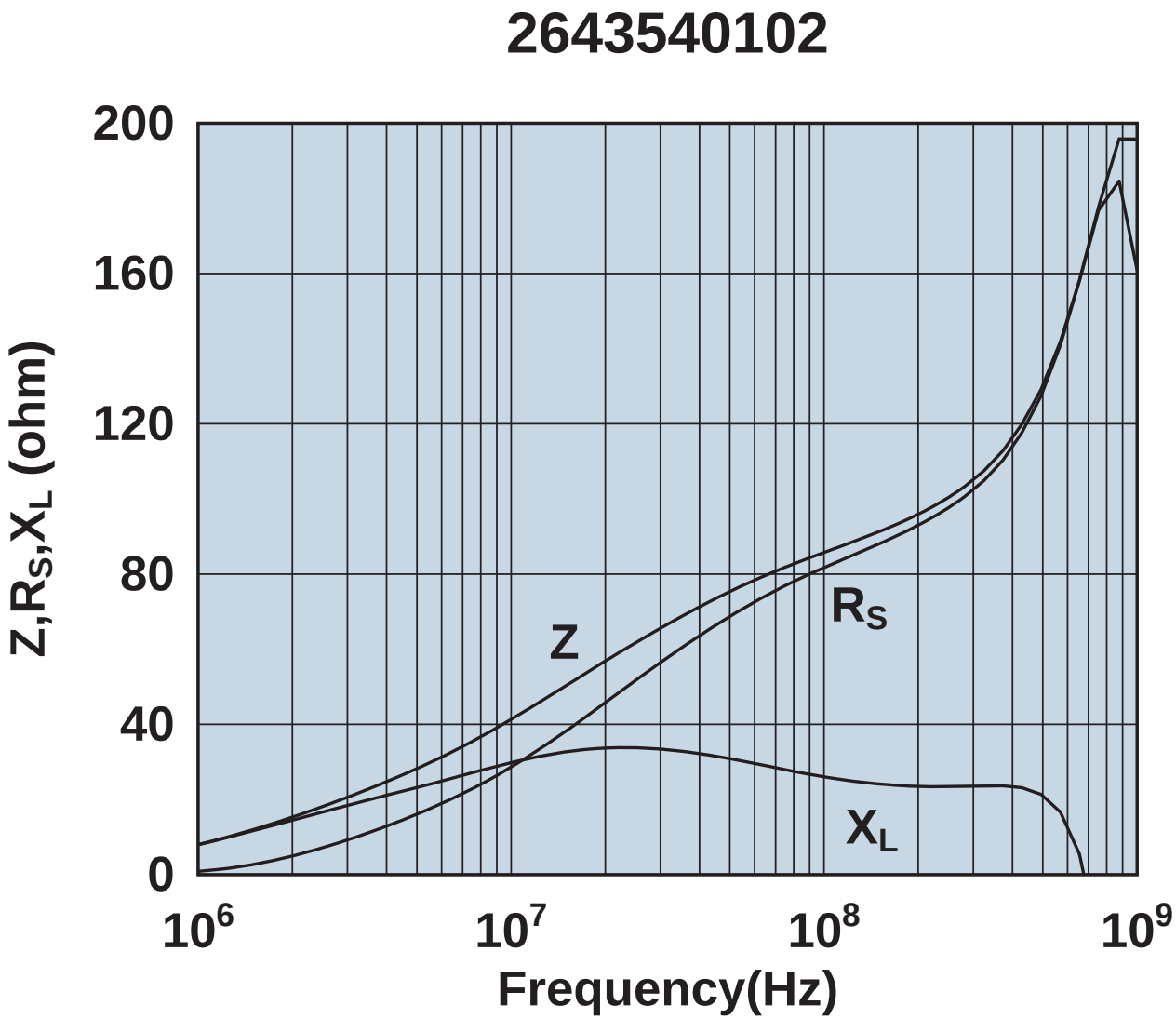
Impedance, reactance, and resistance vs. frequency.



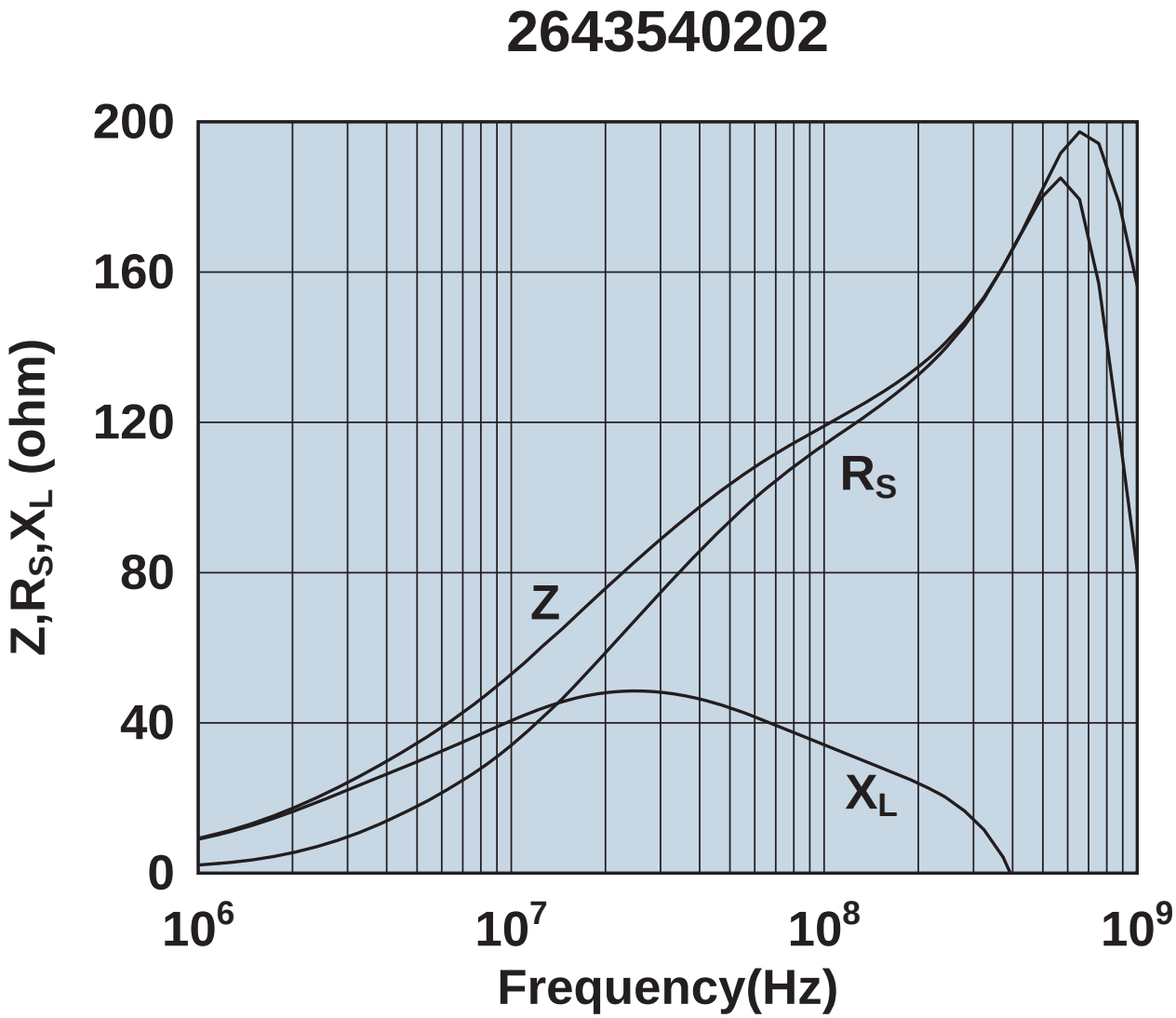
Impedance, reactance, and resistance vs. frequency.



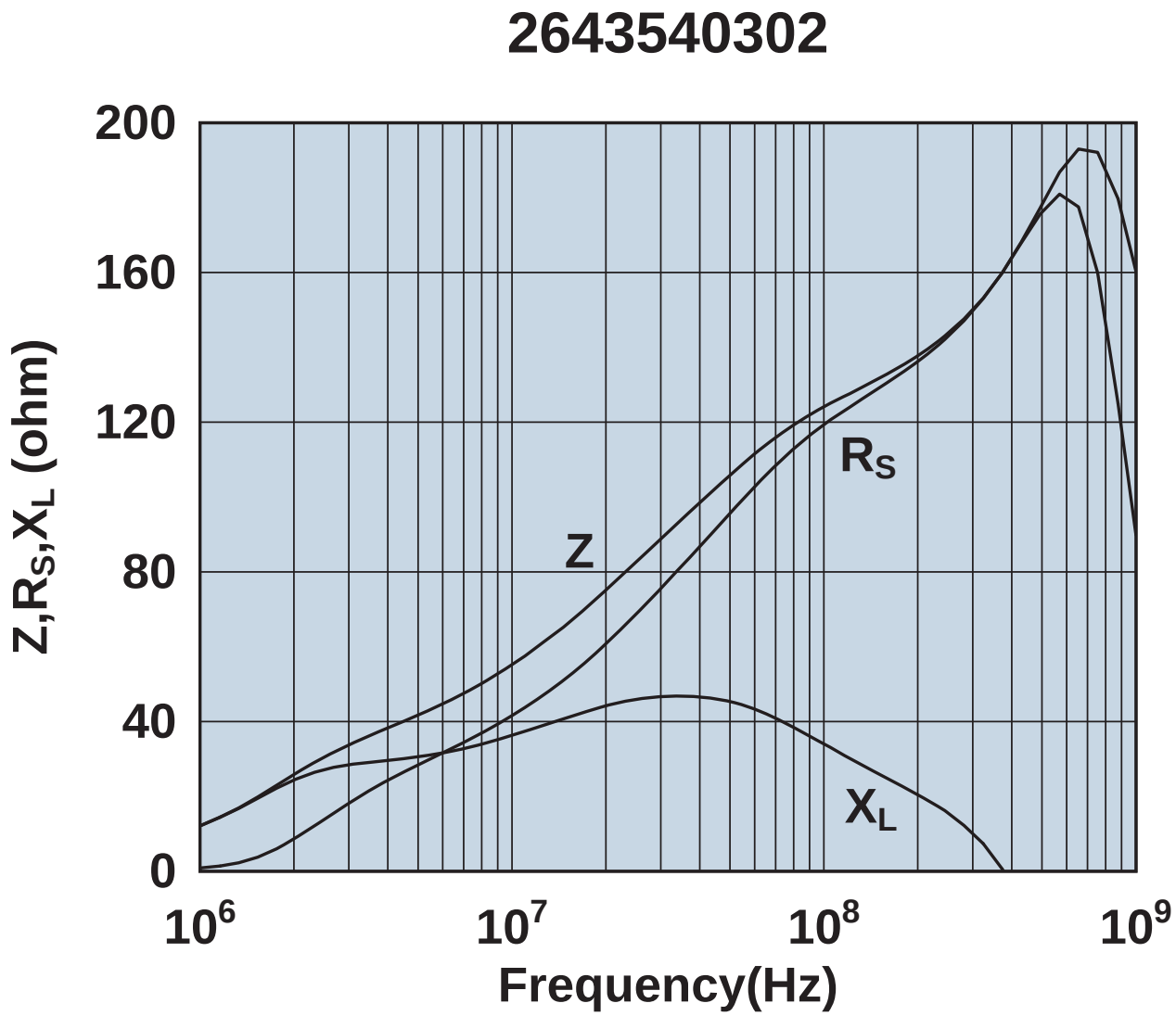
Impedance, reactance, and resistance vs. frequency.



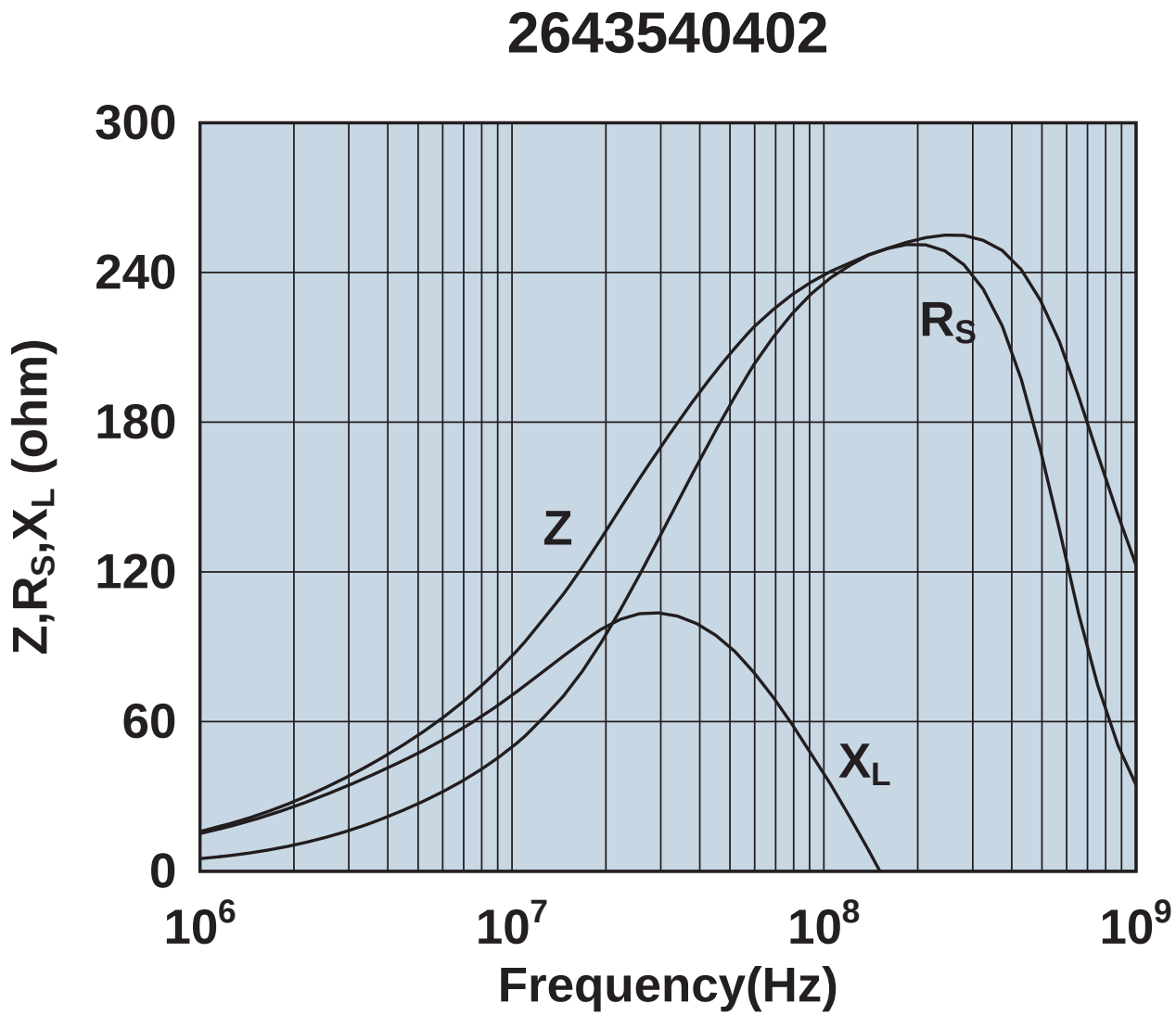
Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

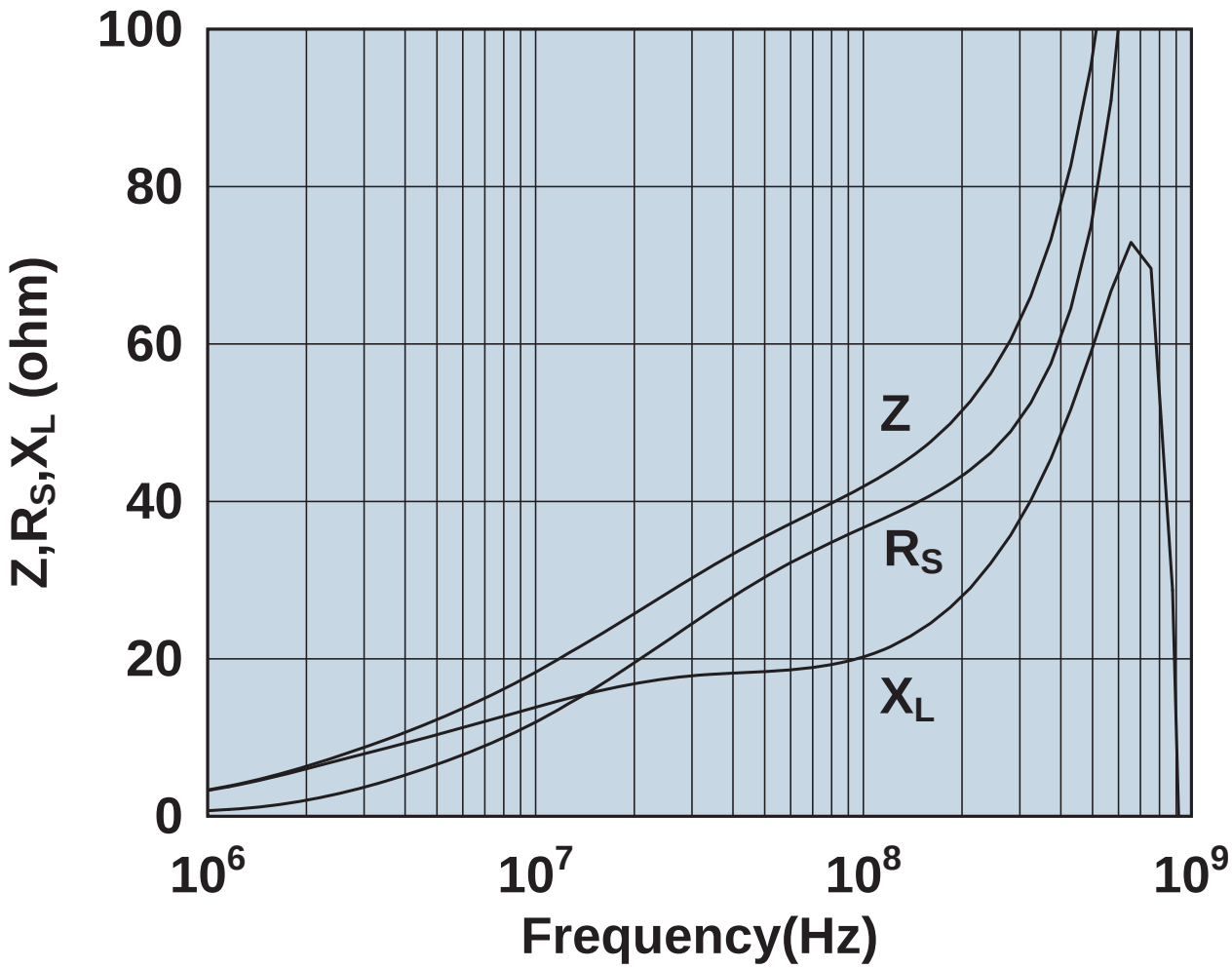


Impedance, reactance, and resistance vs. frequency.

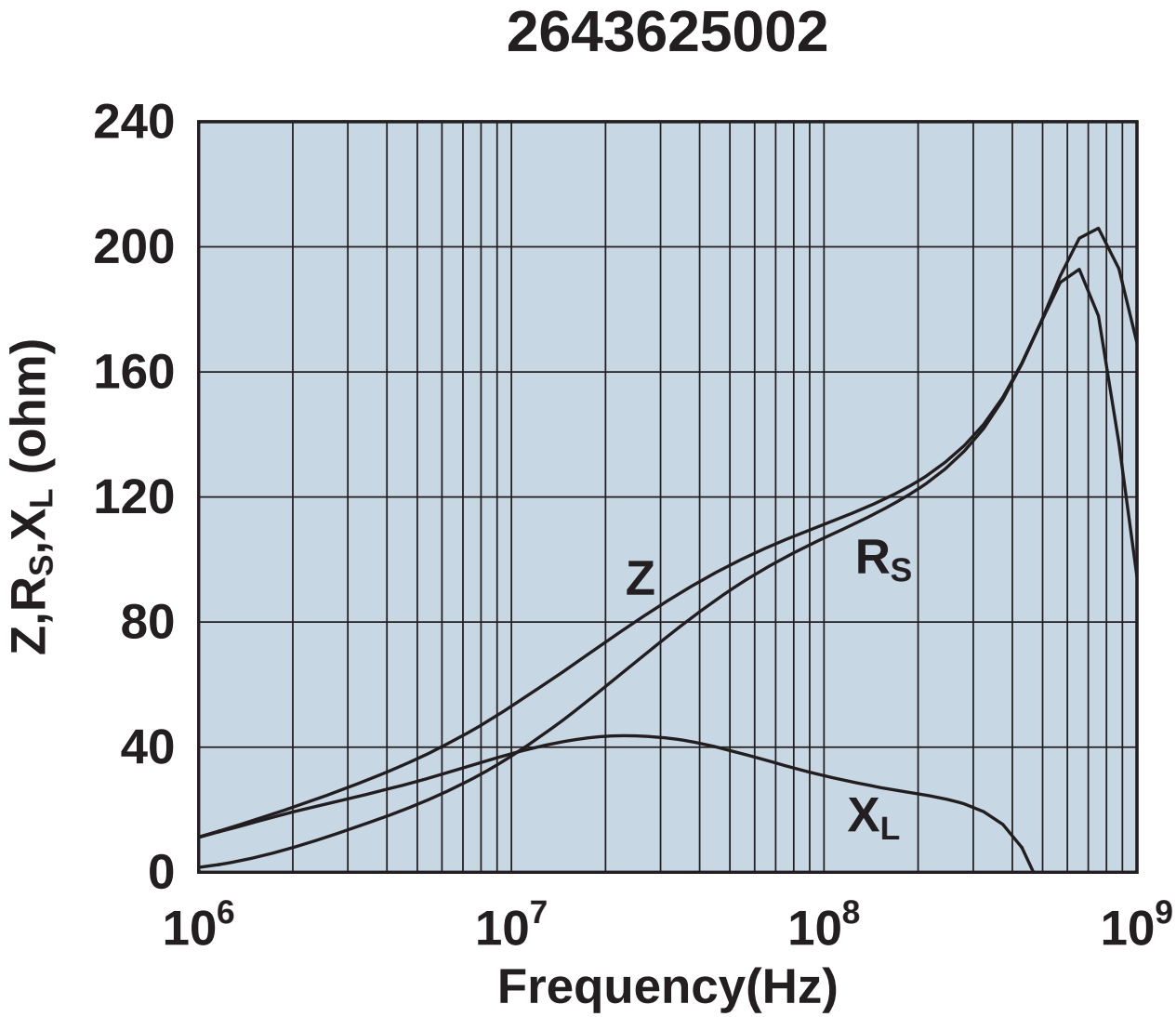


Impedance, reactance, and resistance vs. frequency.

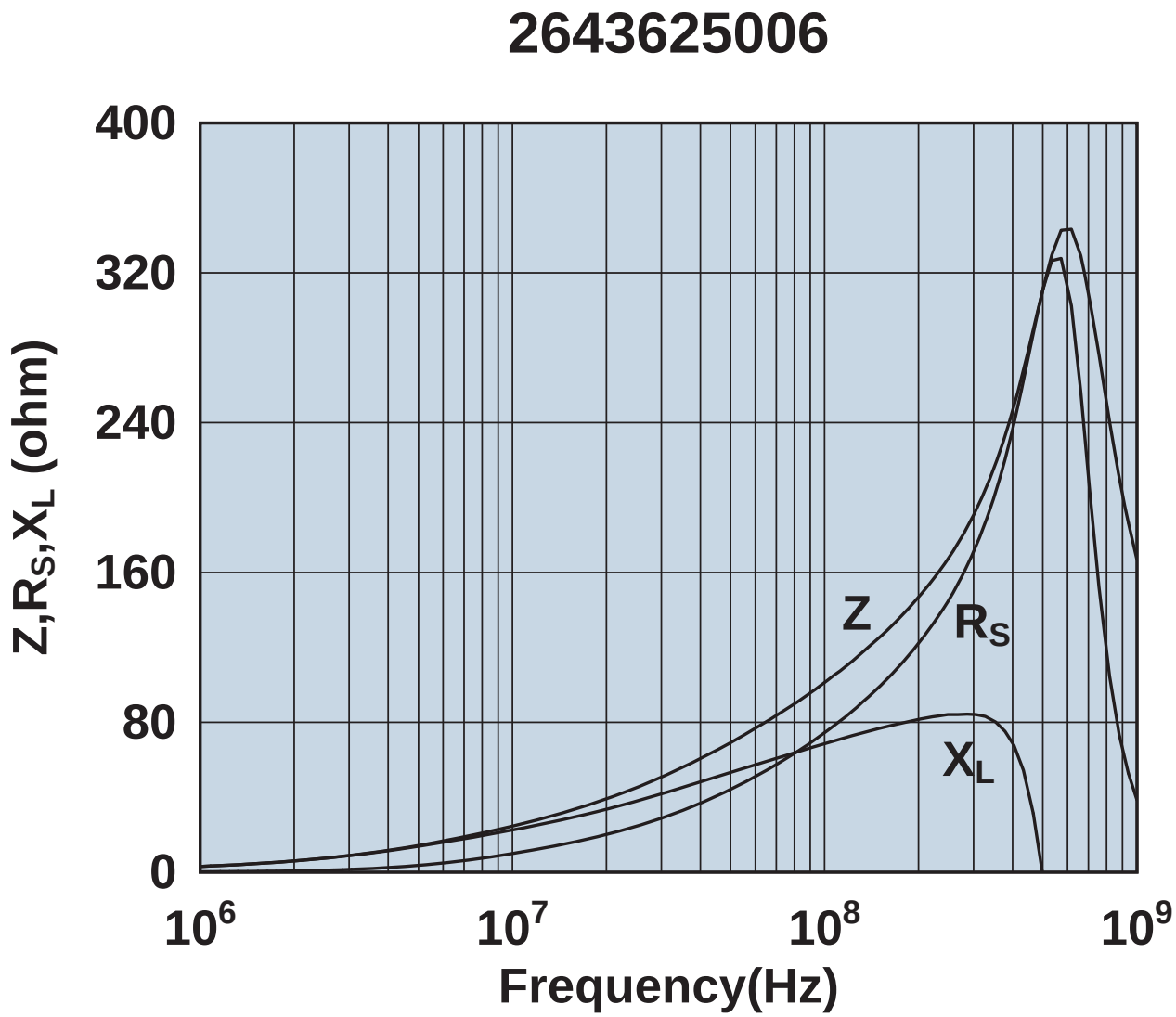
2643540702



Impedance, reactance, and resistance vs. frequency.

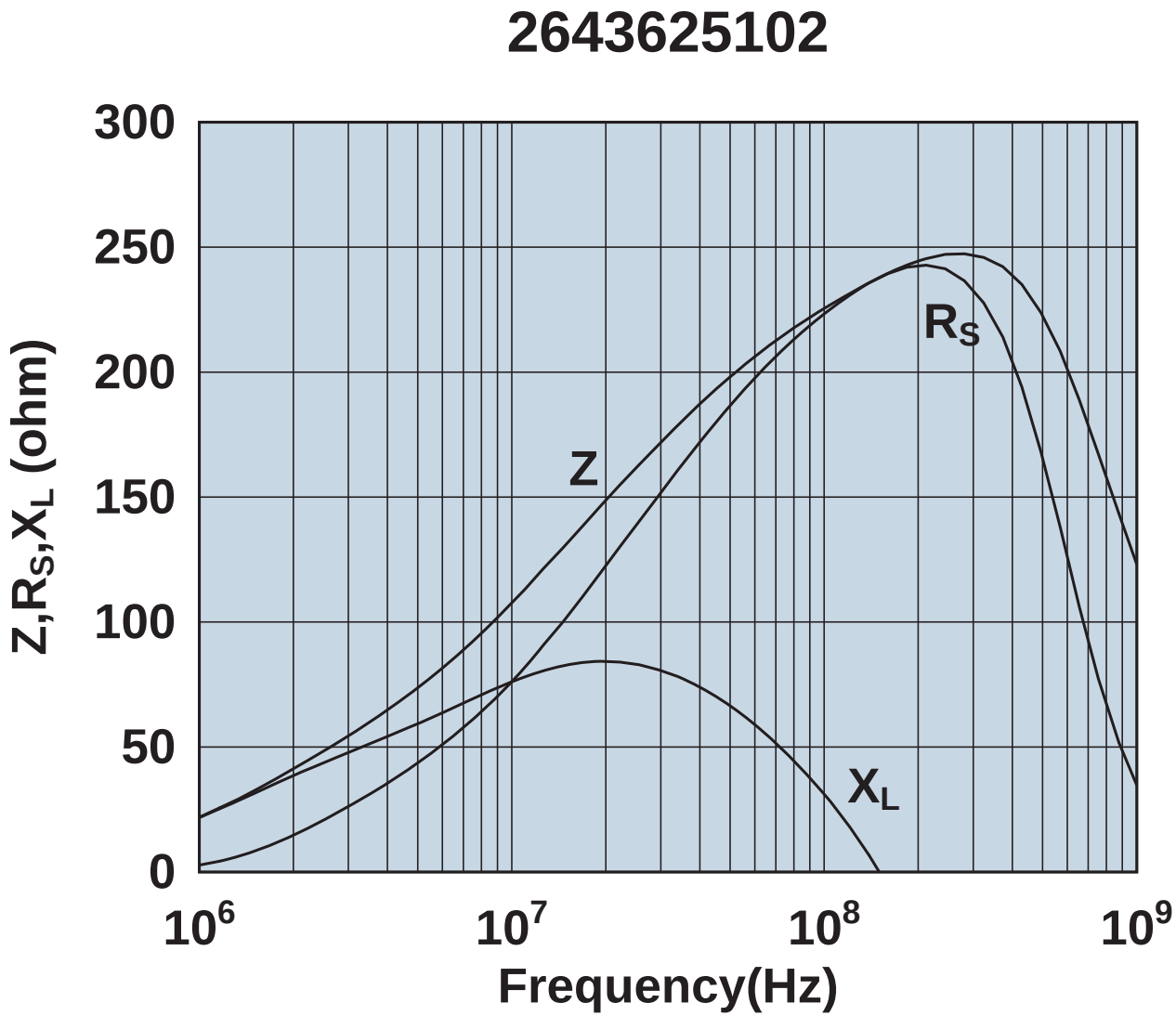


Impedance, reactance, and resistance vs. frequency.



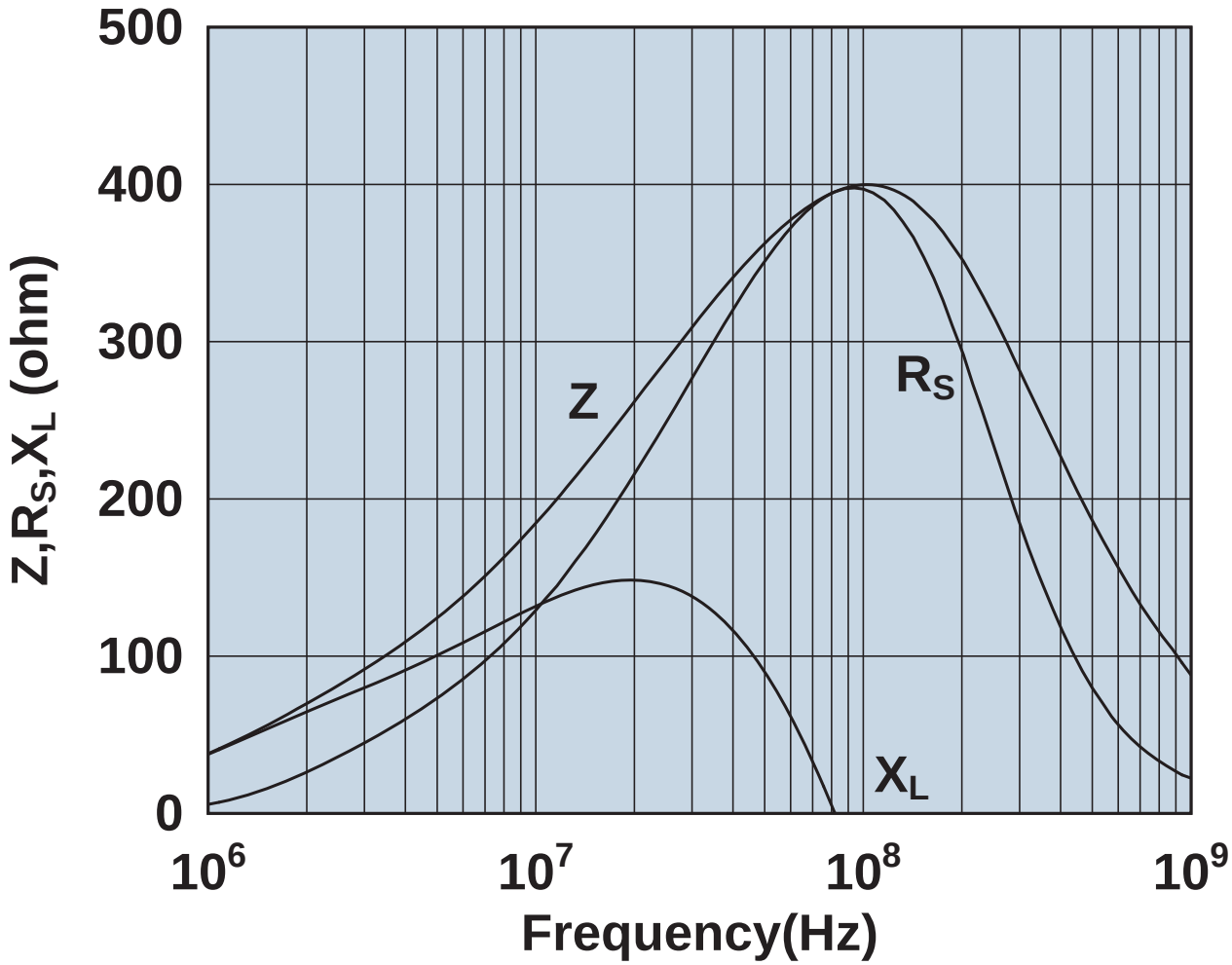
Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.



Impedance, reactance, and resistance vs. frequency.

2643625202



Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

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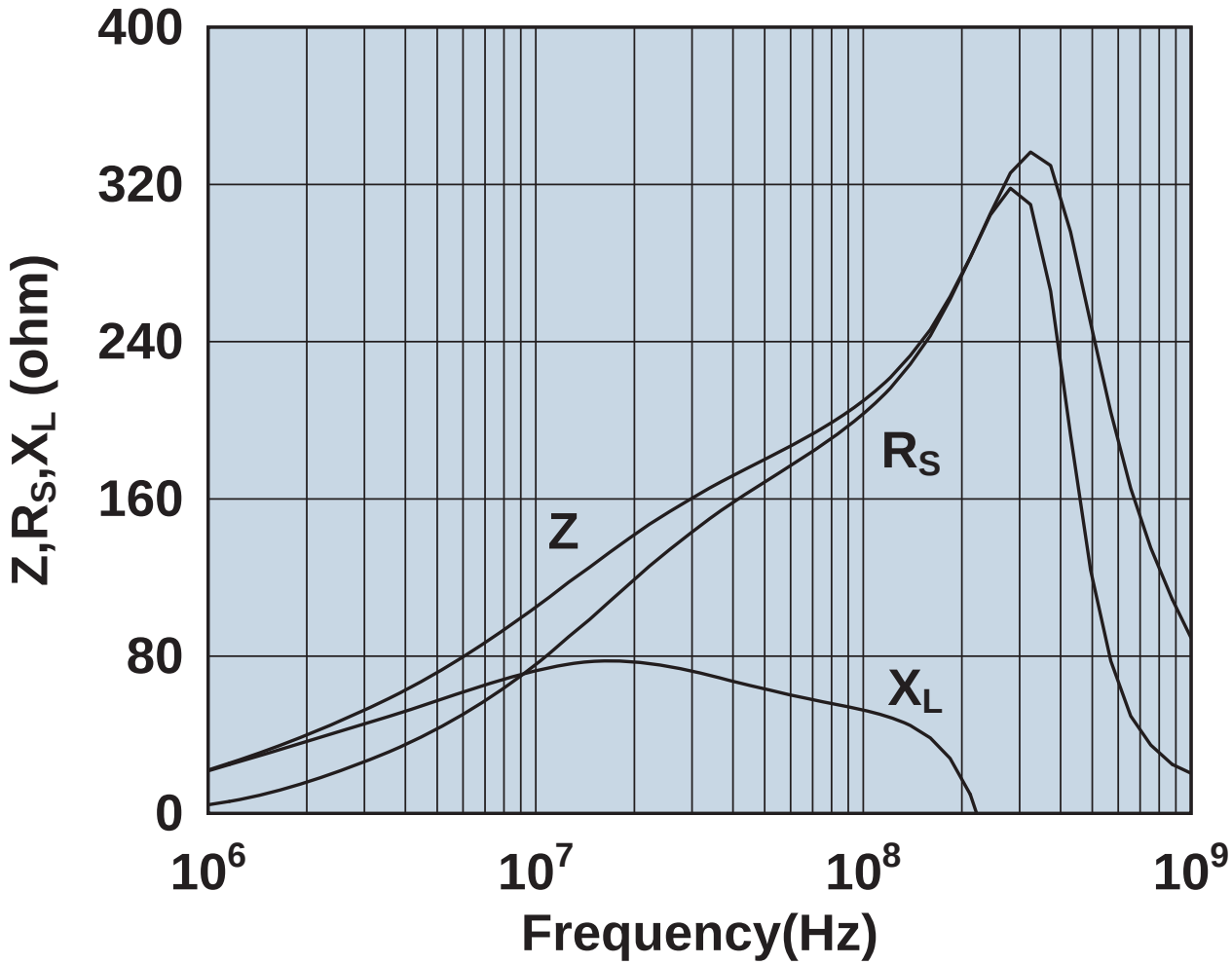
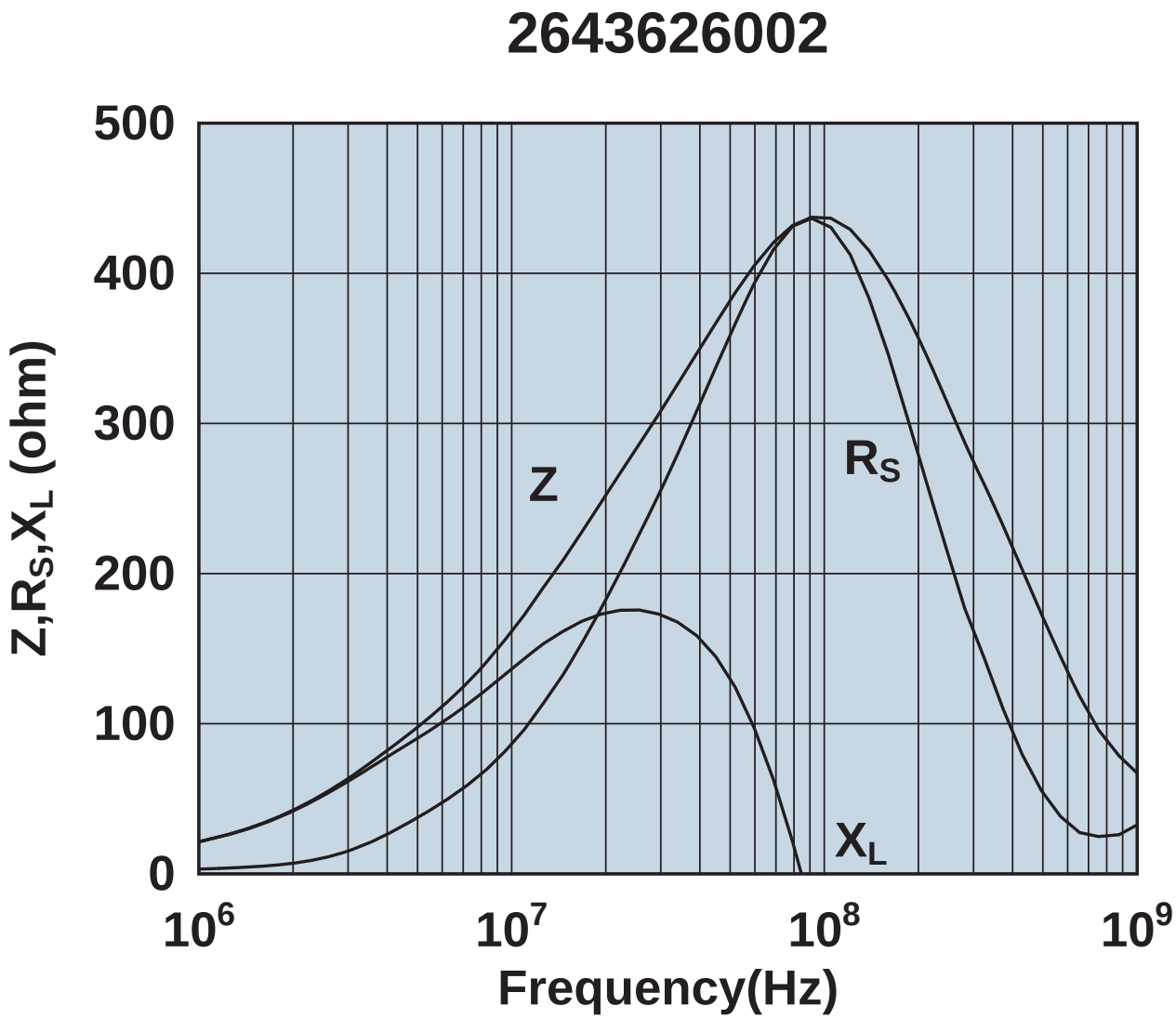
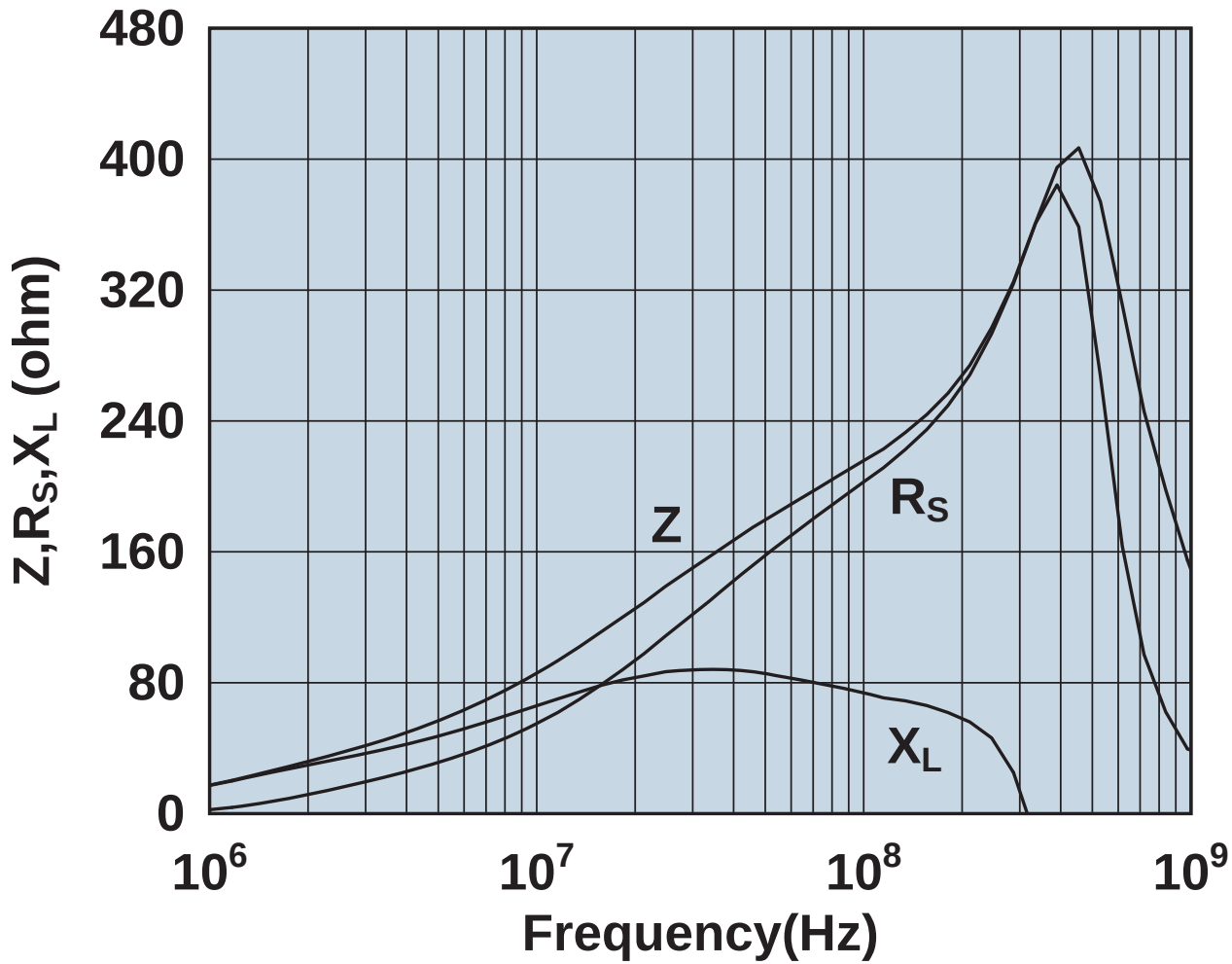


Impedance, reactance, and resistance vs. frequency.

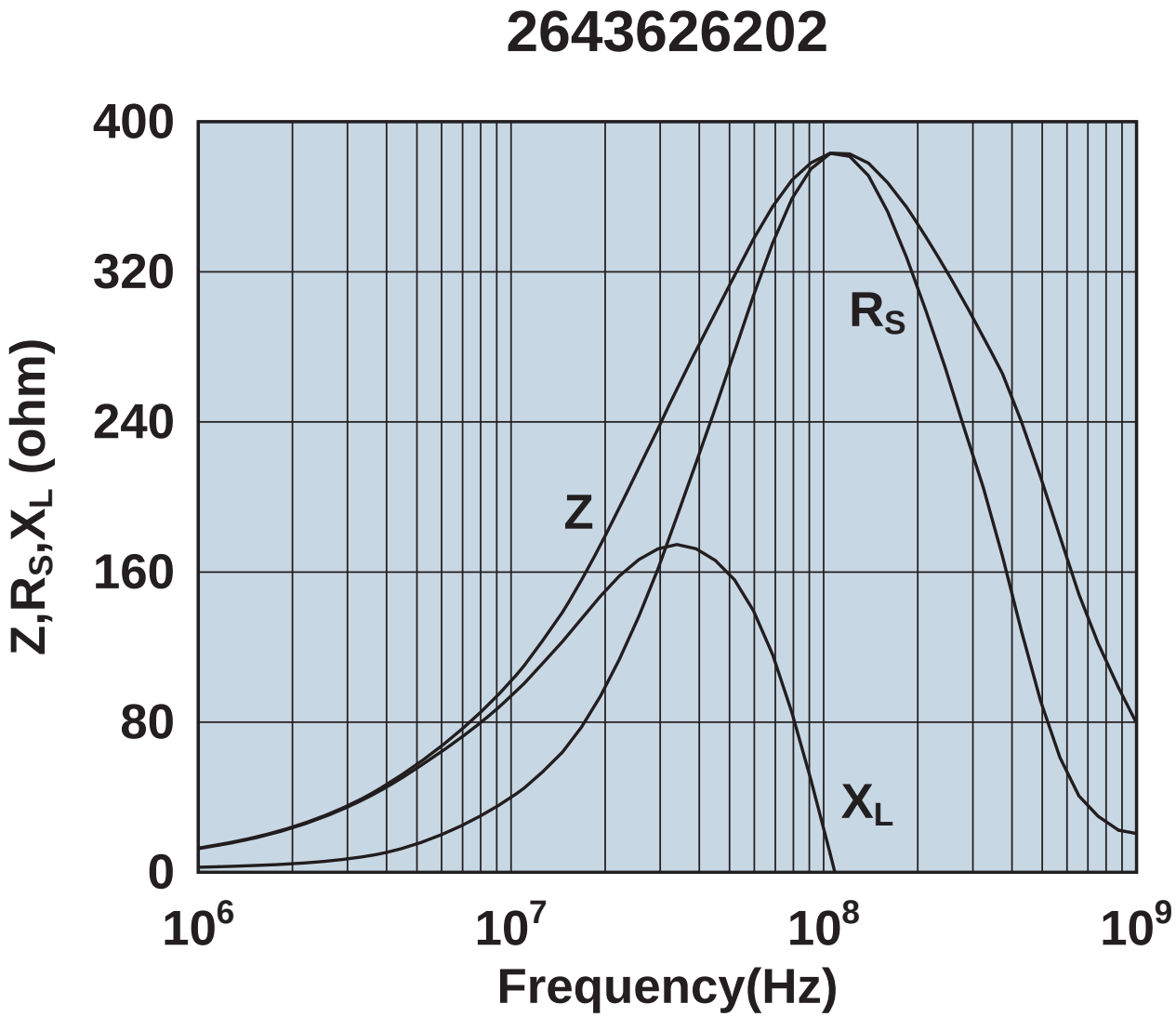


Impedance, reactance, and resistance vs. frequency.

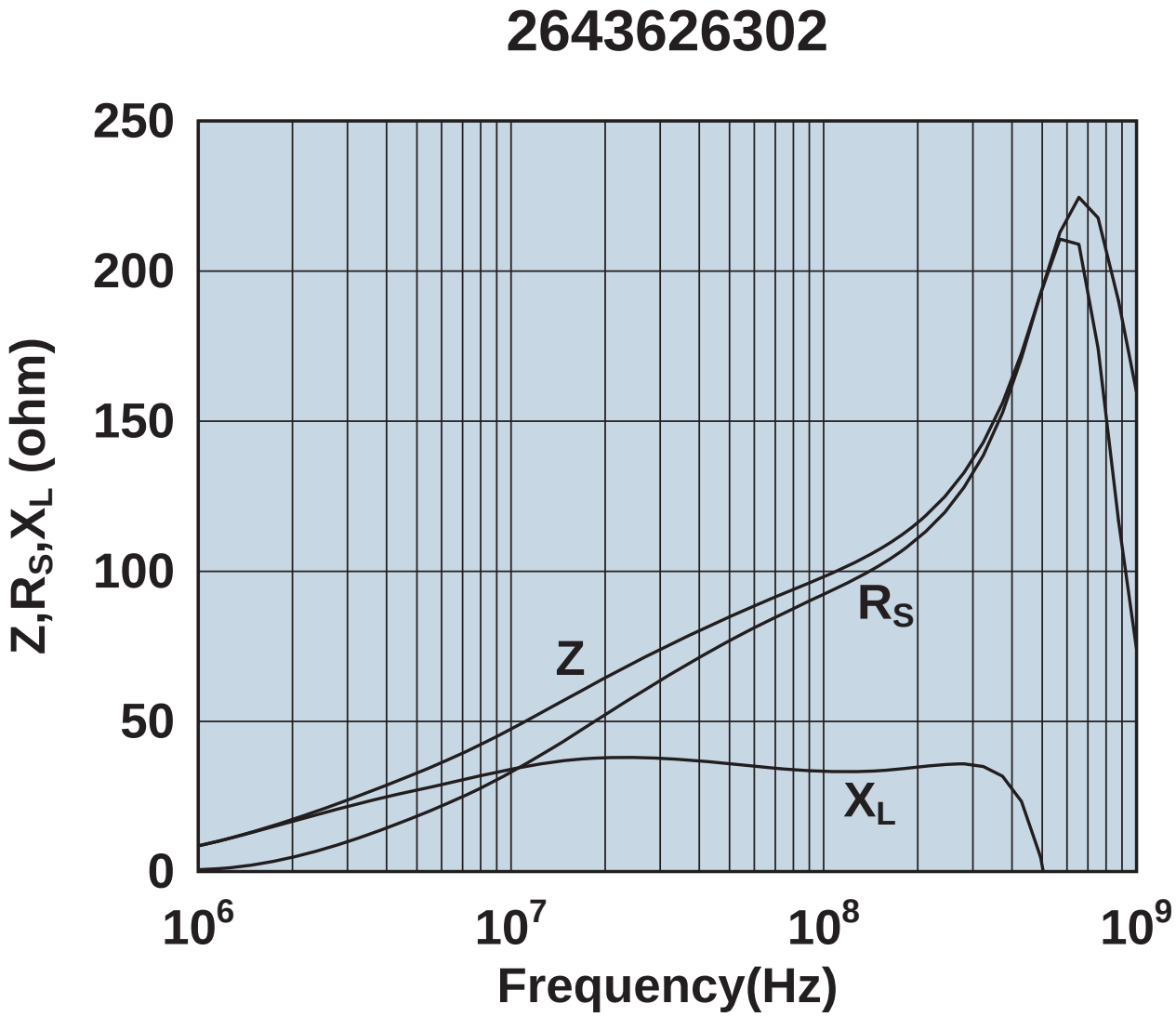
2643626102



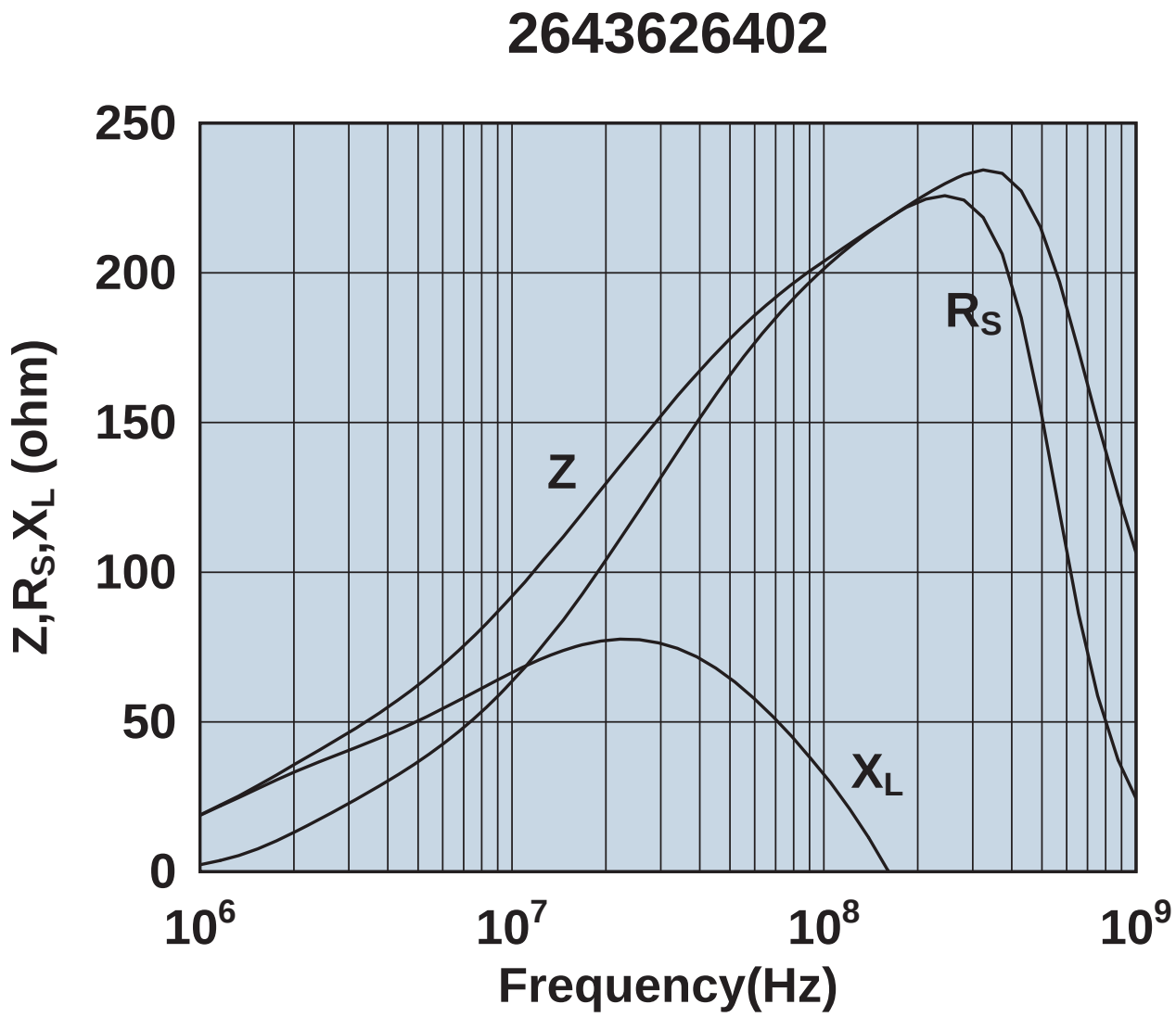
Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

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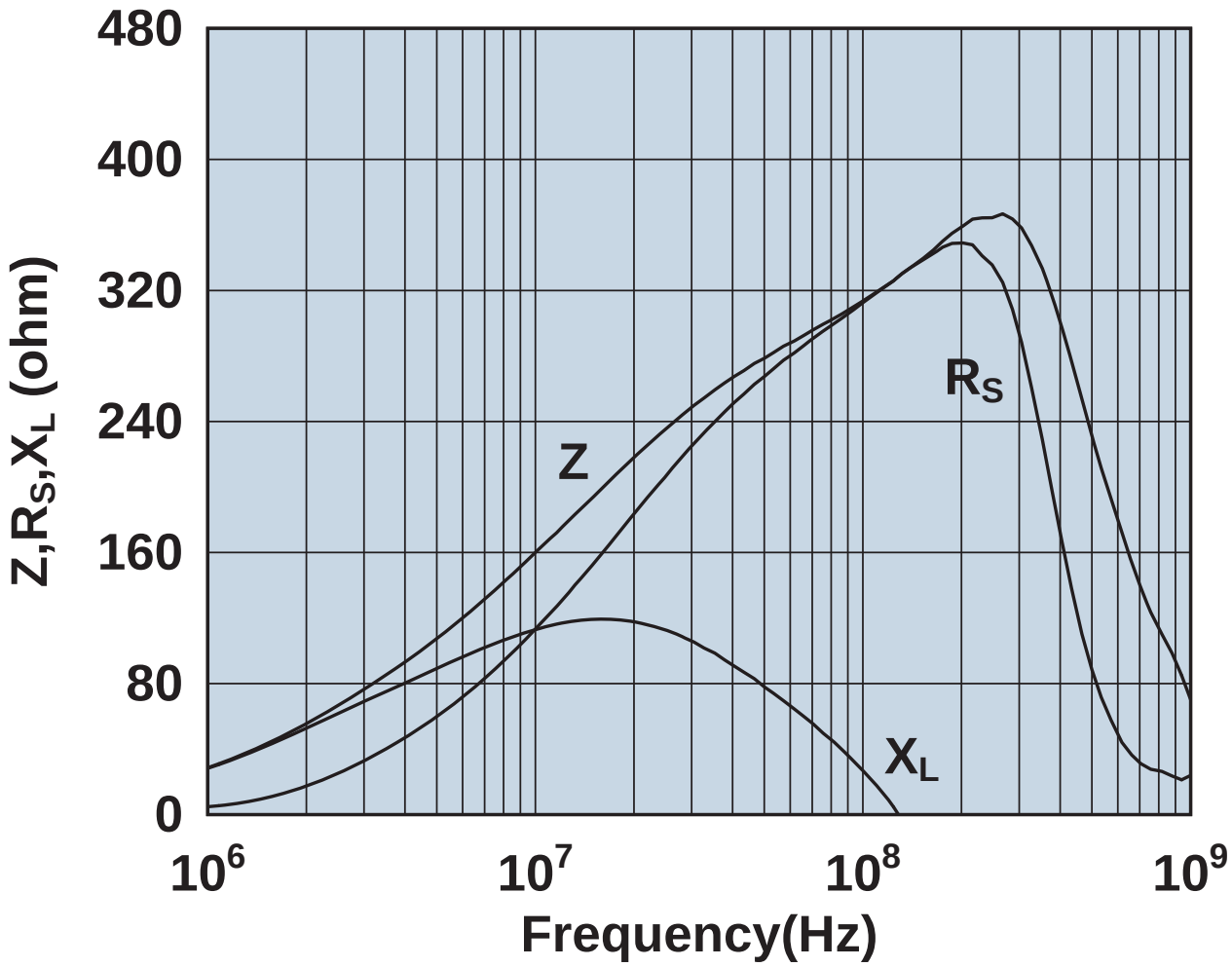

Impedance, reactance, and resistance vs. frequency.

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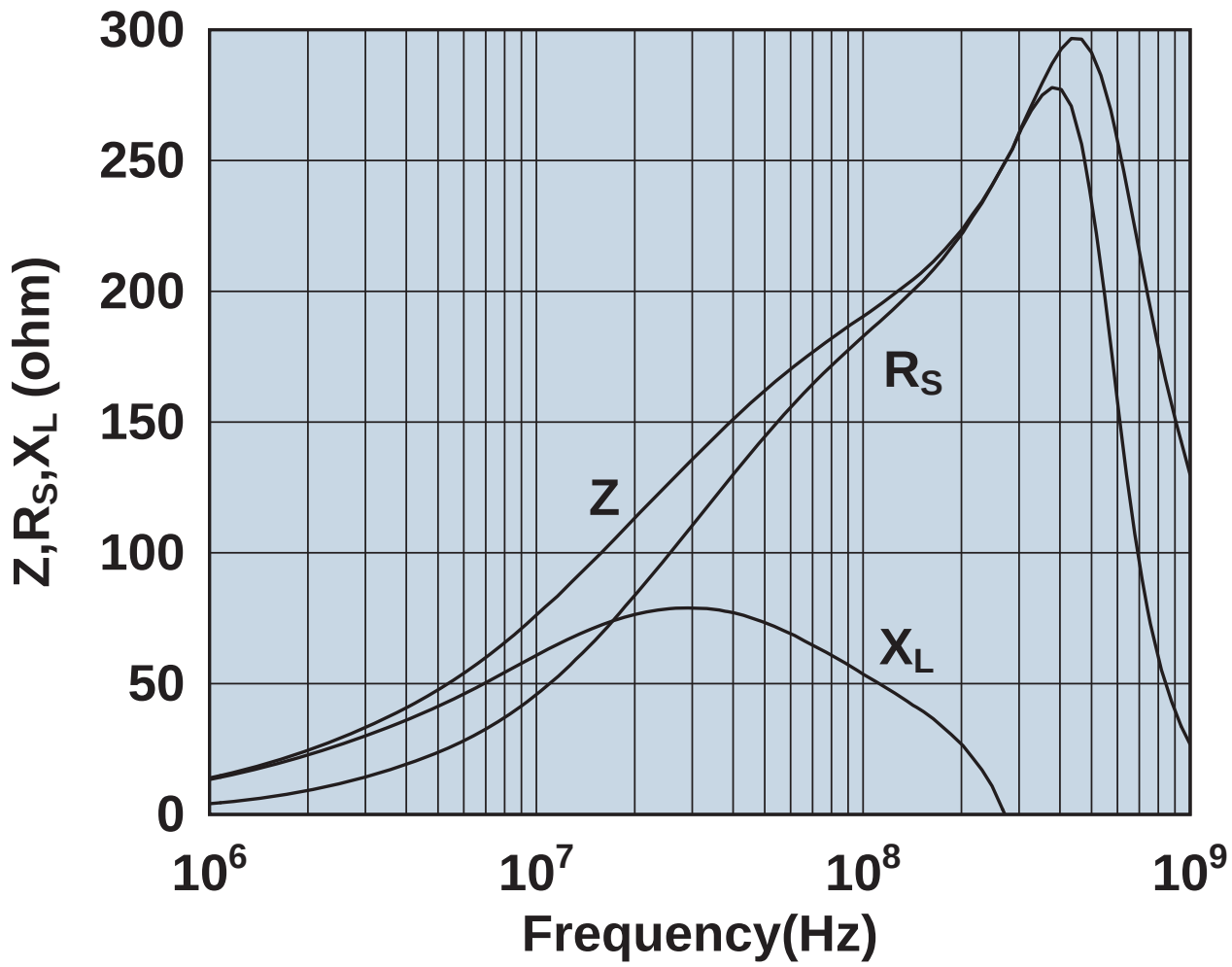
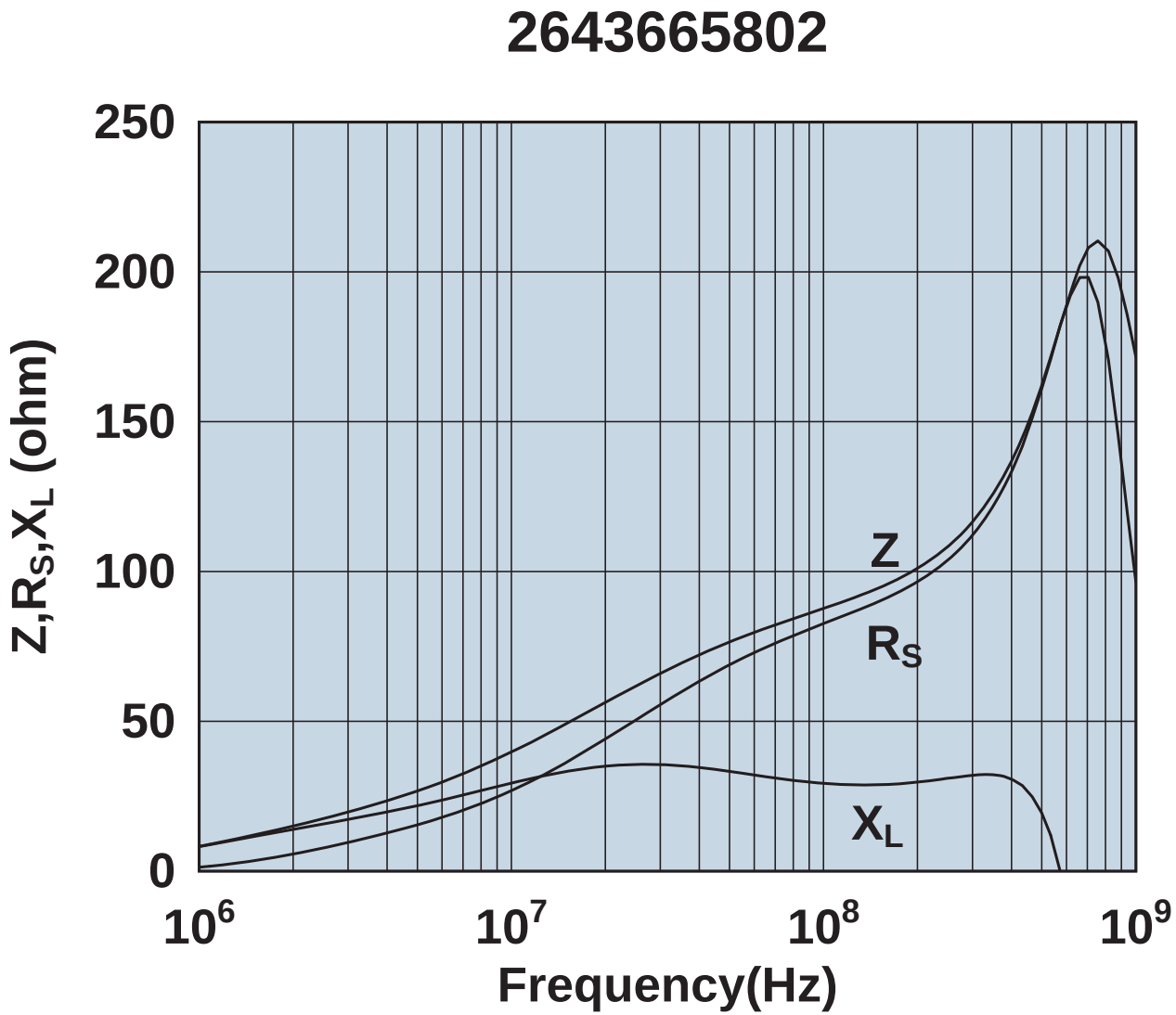


Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

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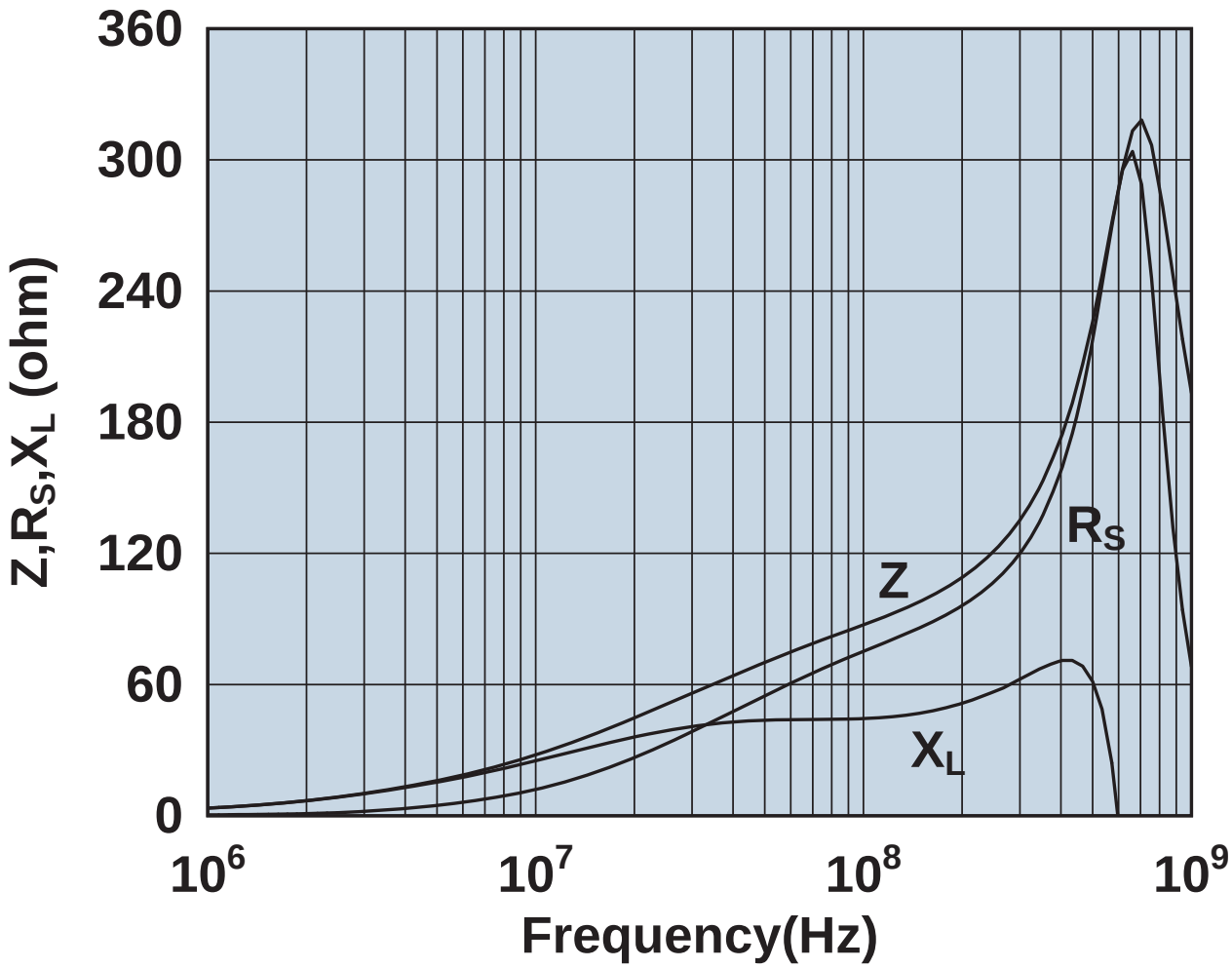
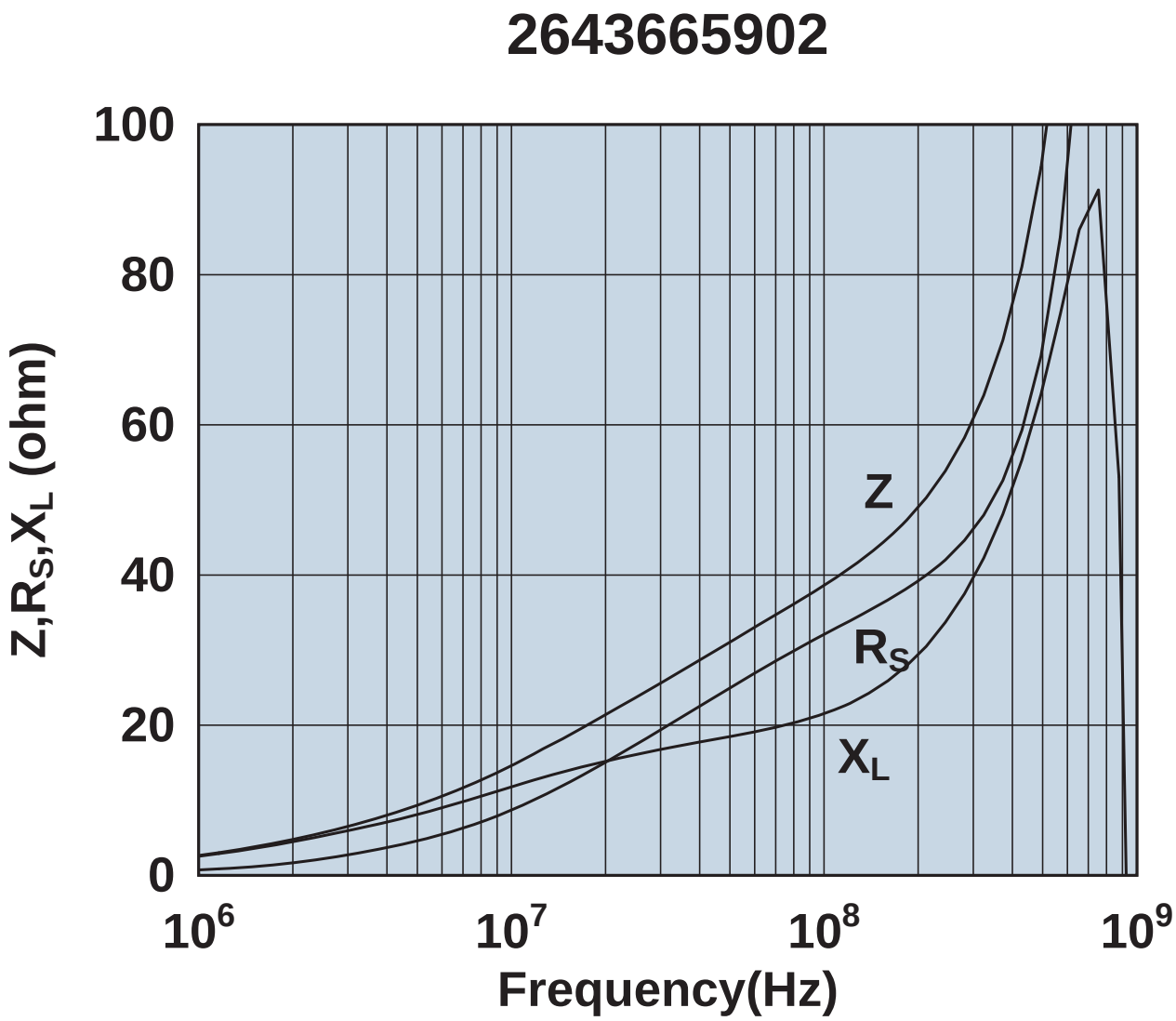
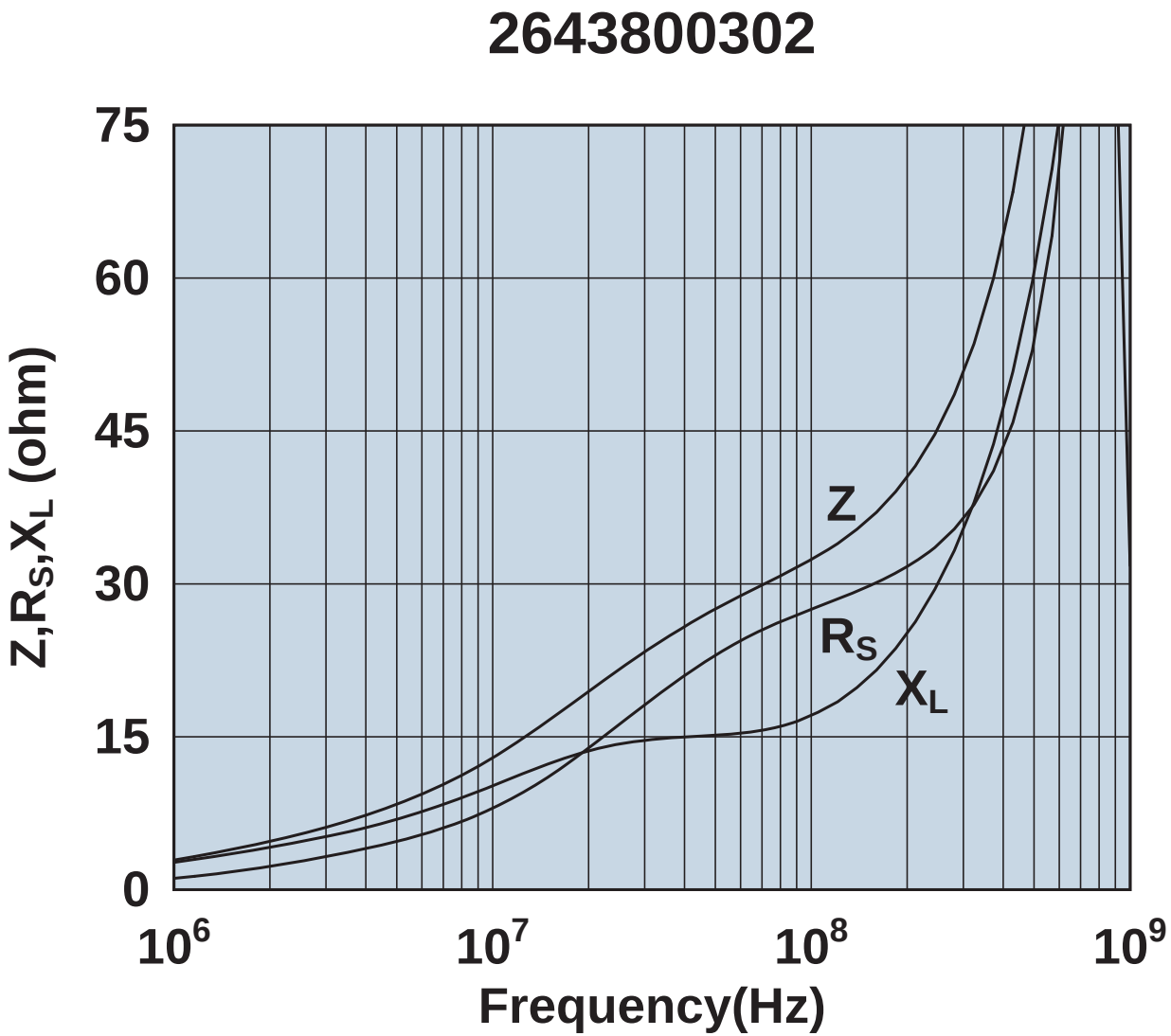


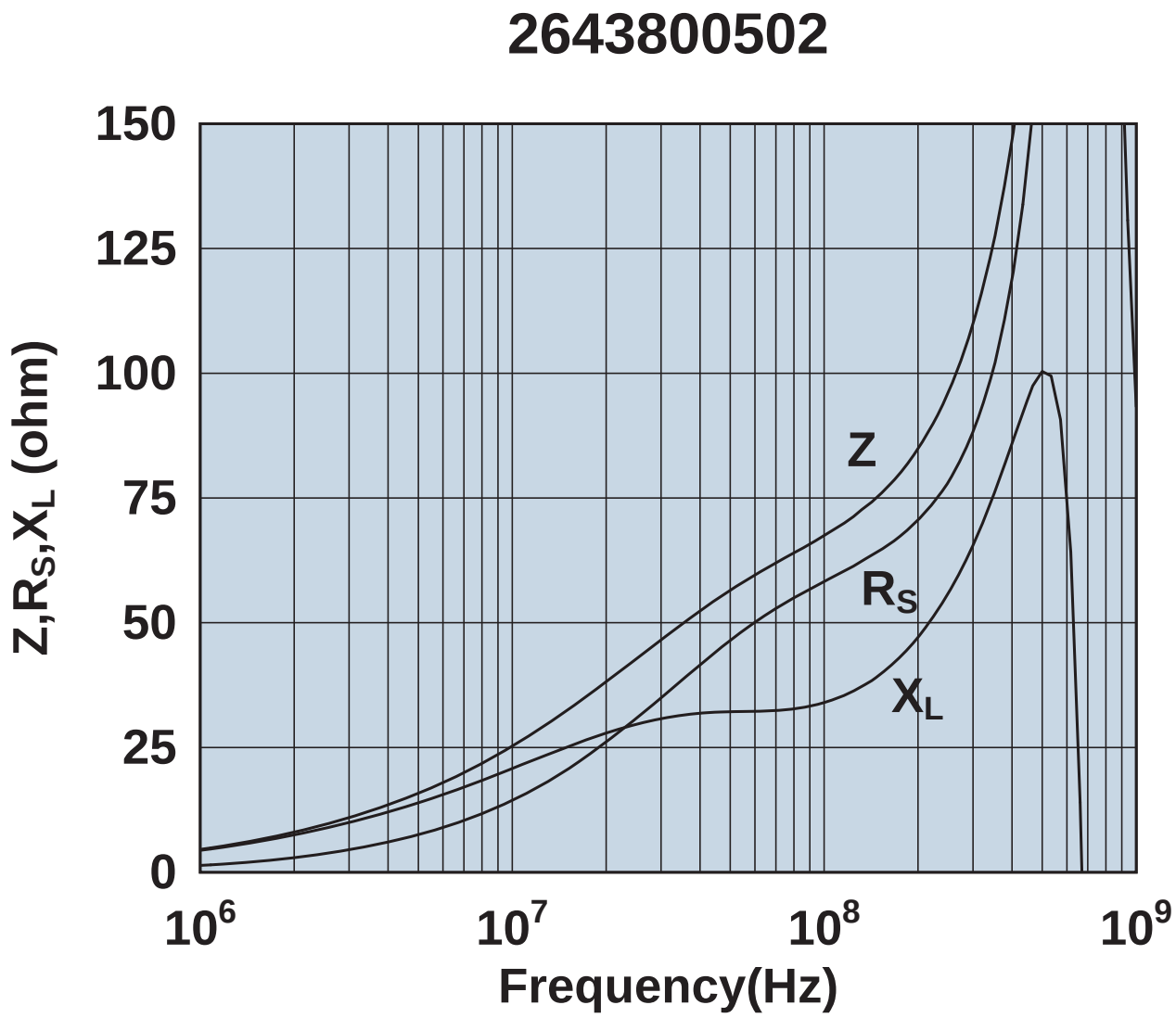
Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

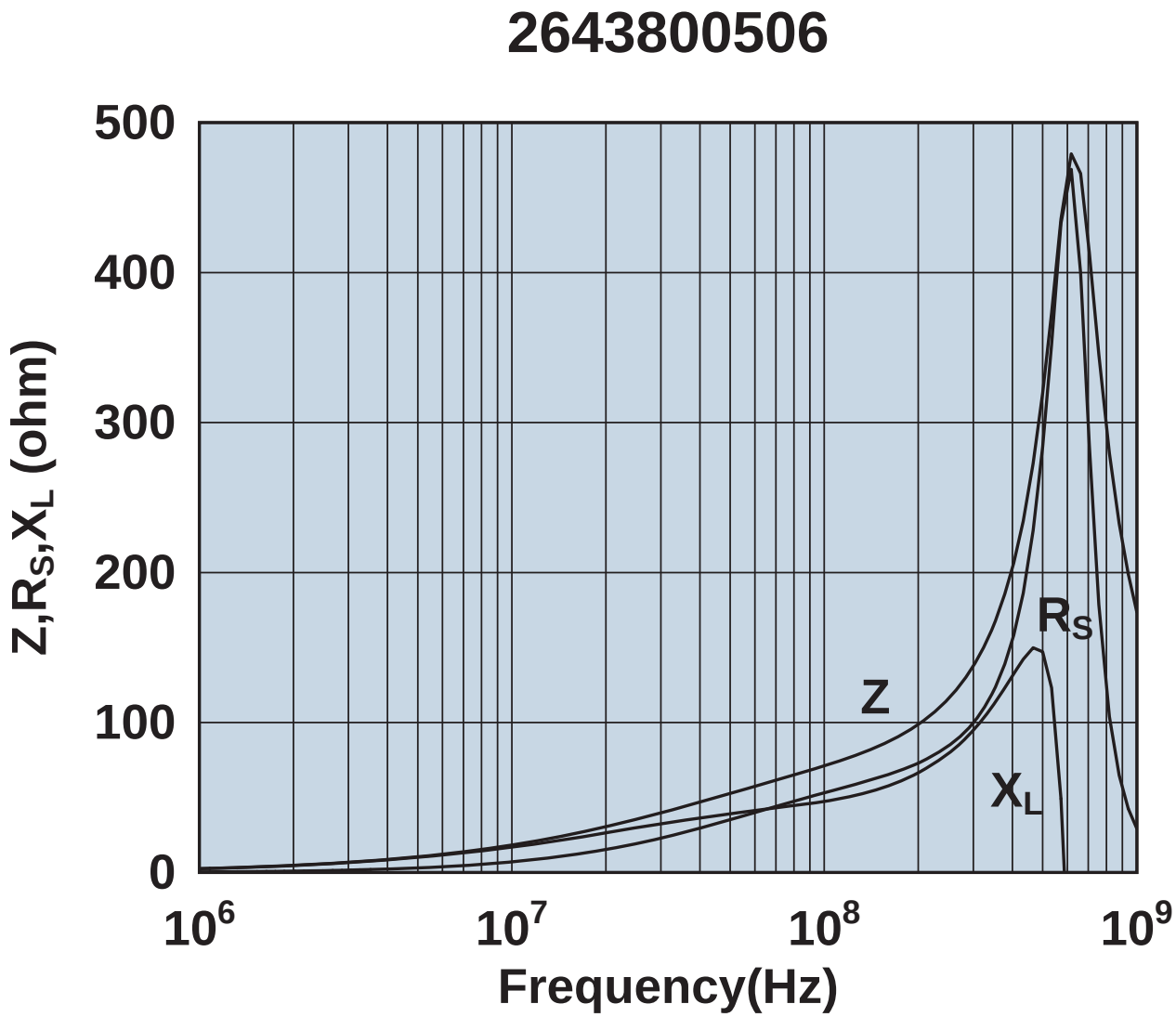


Impedance, reactance, and resistance vs. frequency.

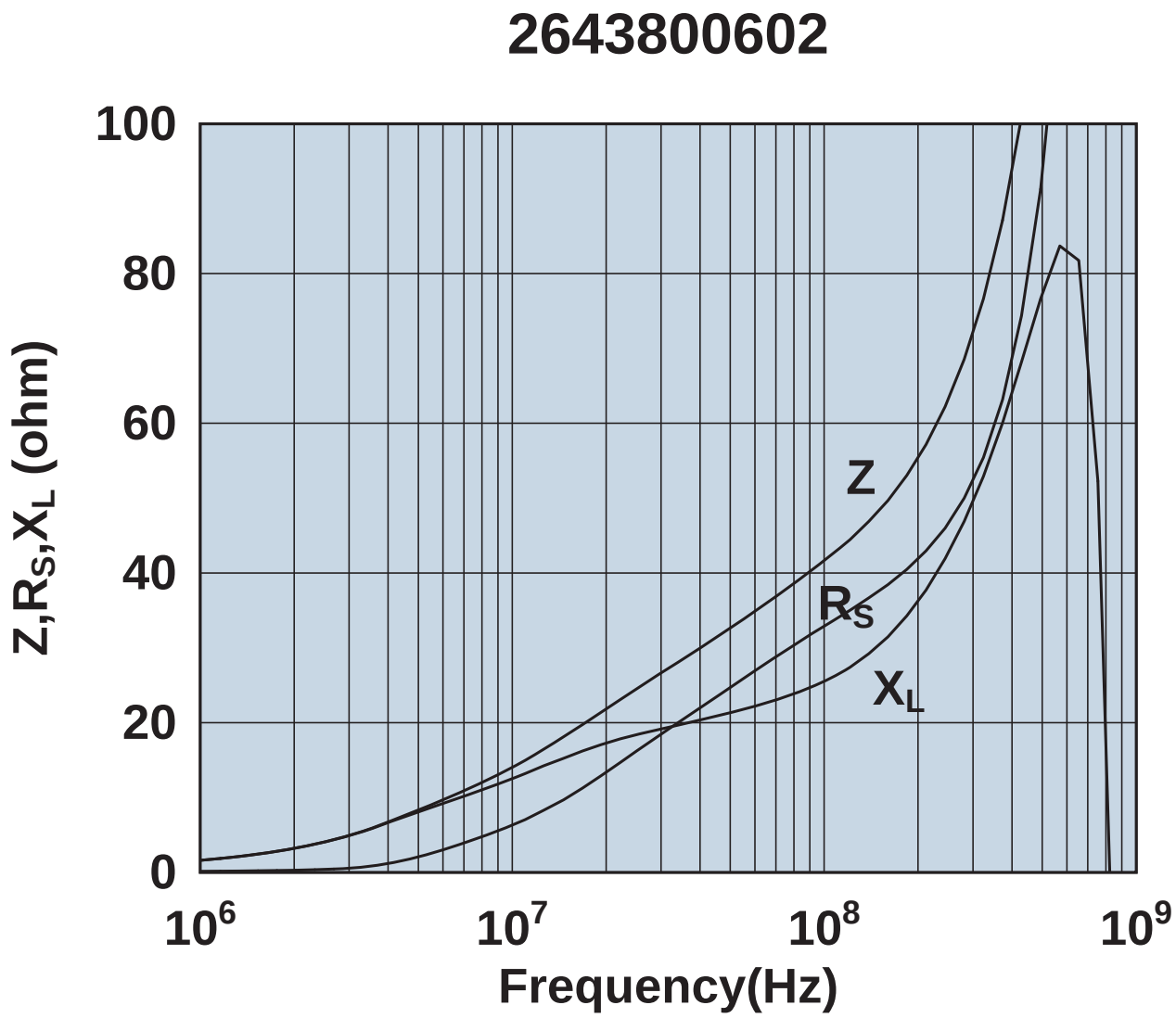


Impedance, reactance, and resistance vs. frequency.

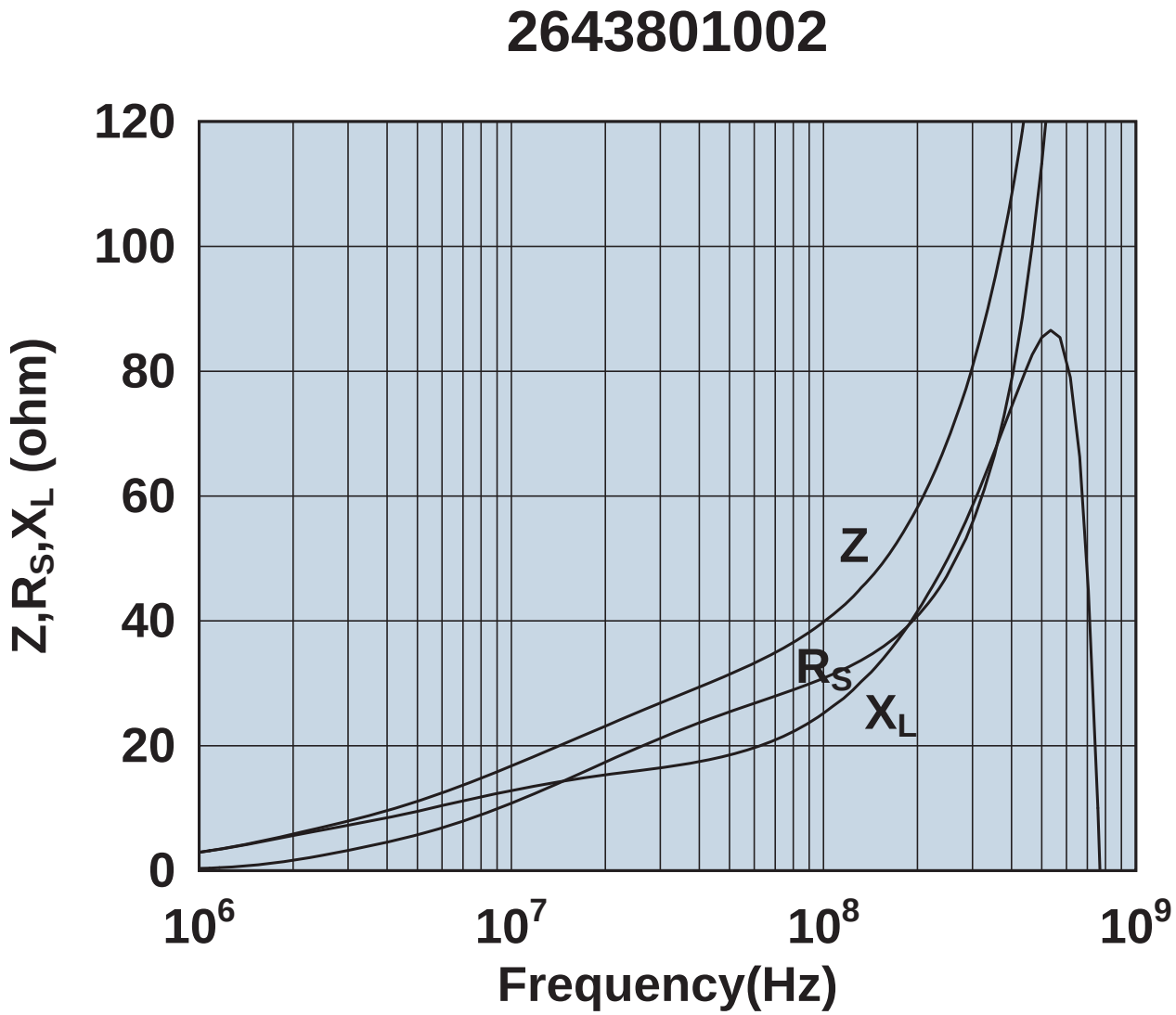
Click on part number to return to catalog.



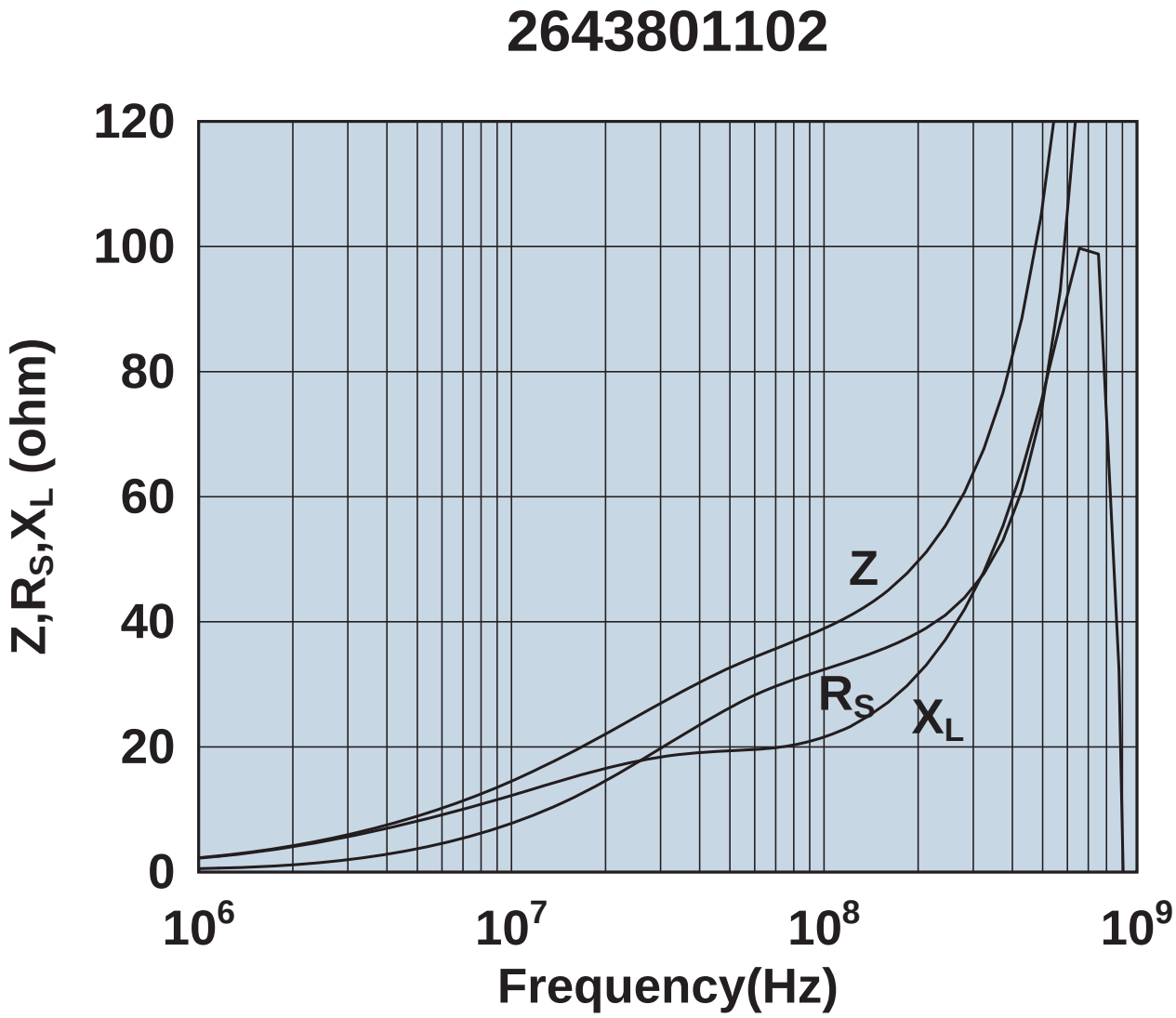
Impedance, reactance, and resistance vs. frequency.



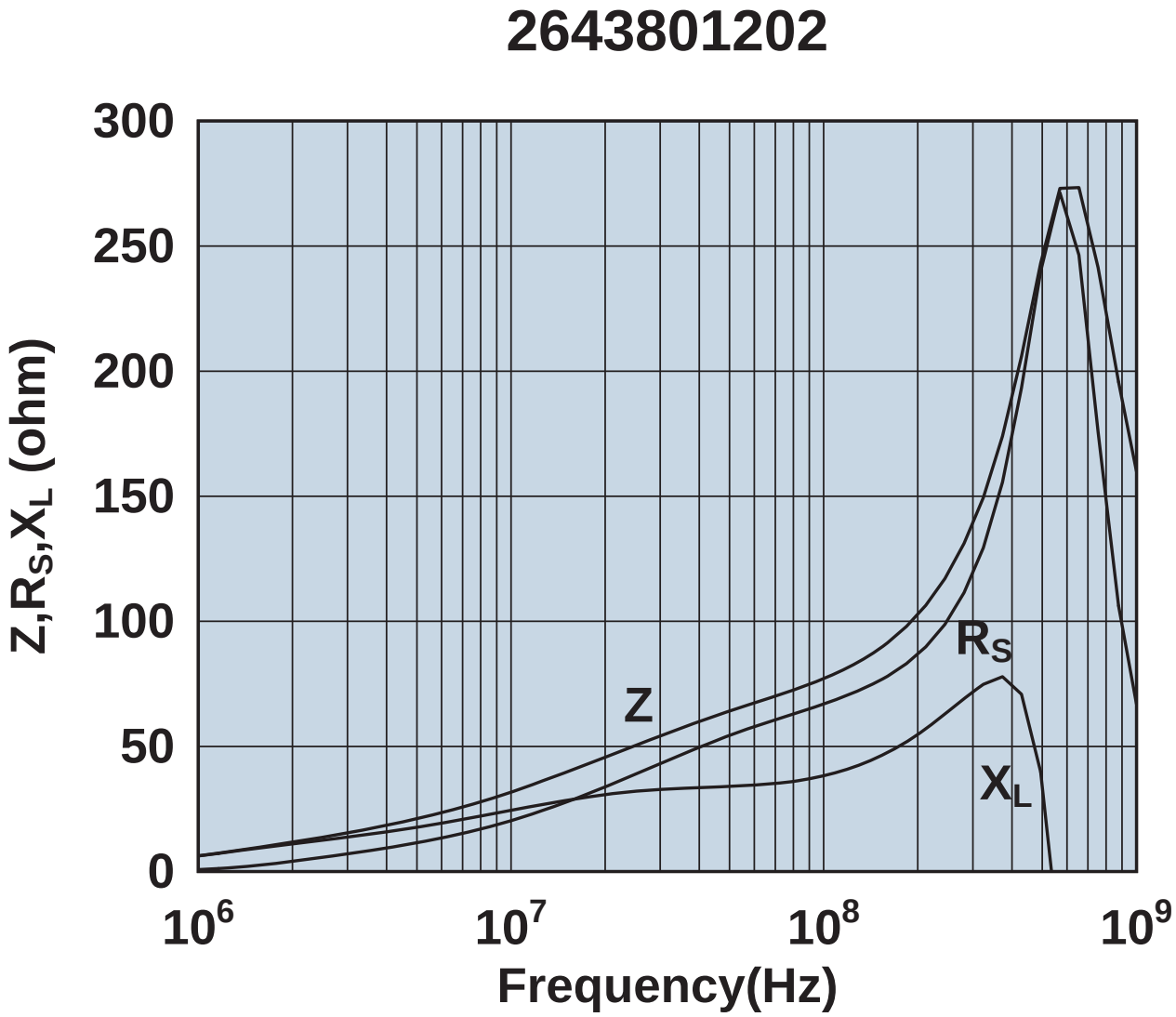
Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

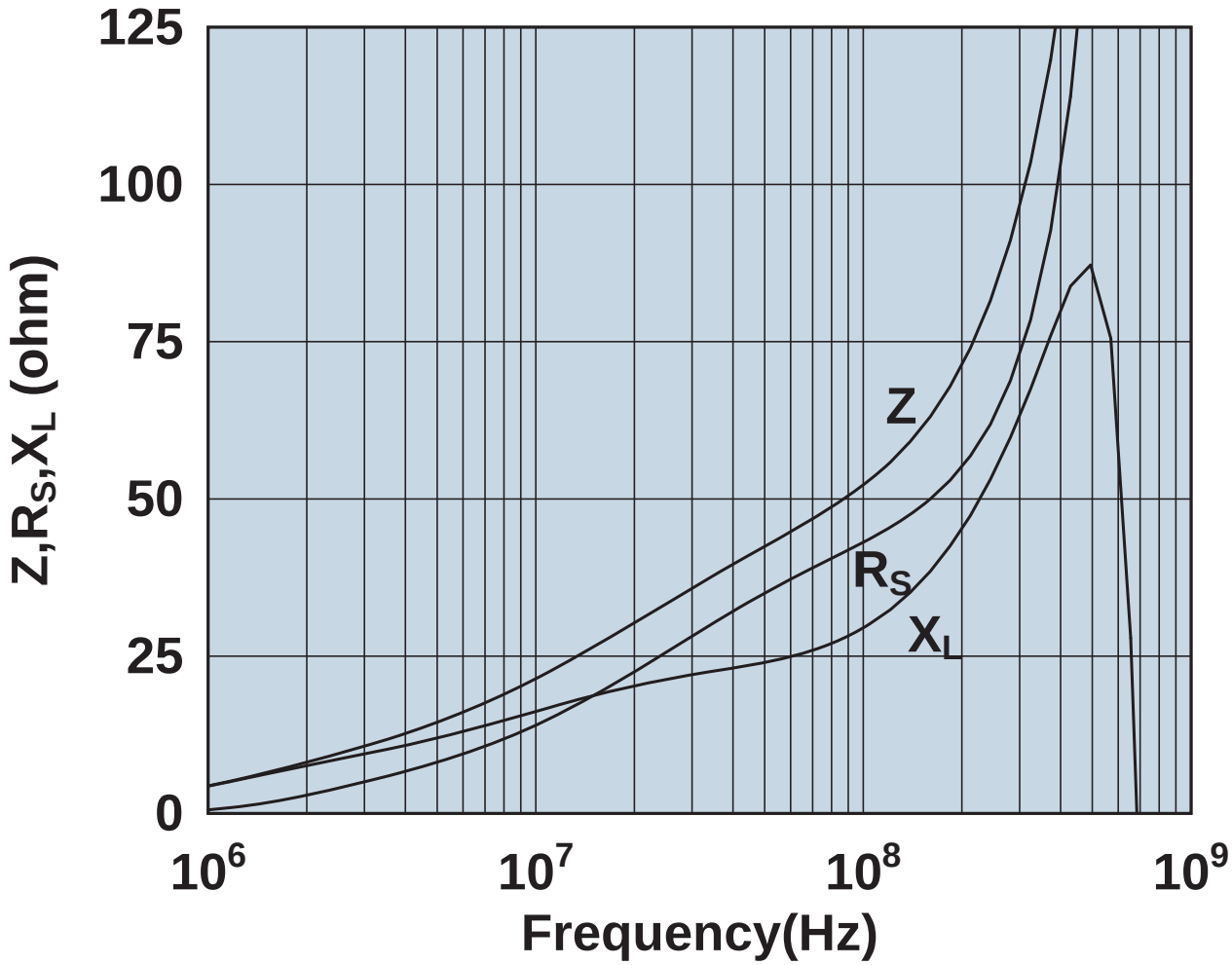


Impedance, reactance, and resistance vs. frequency.

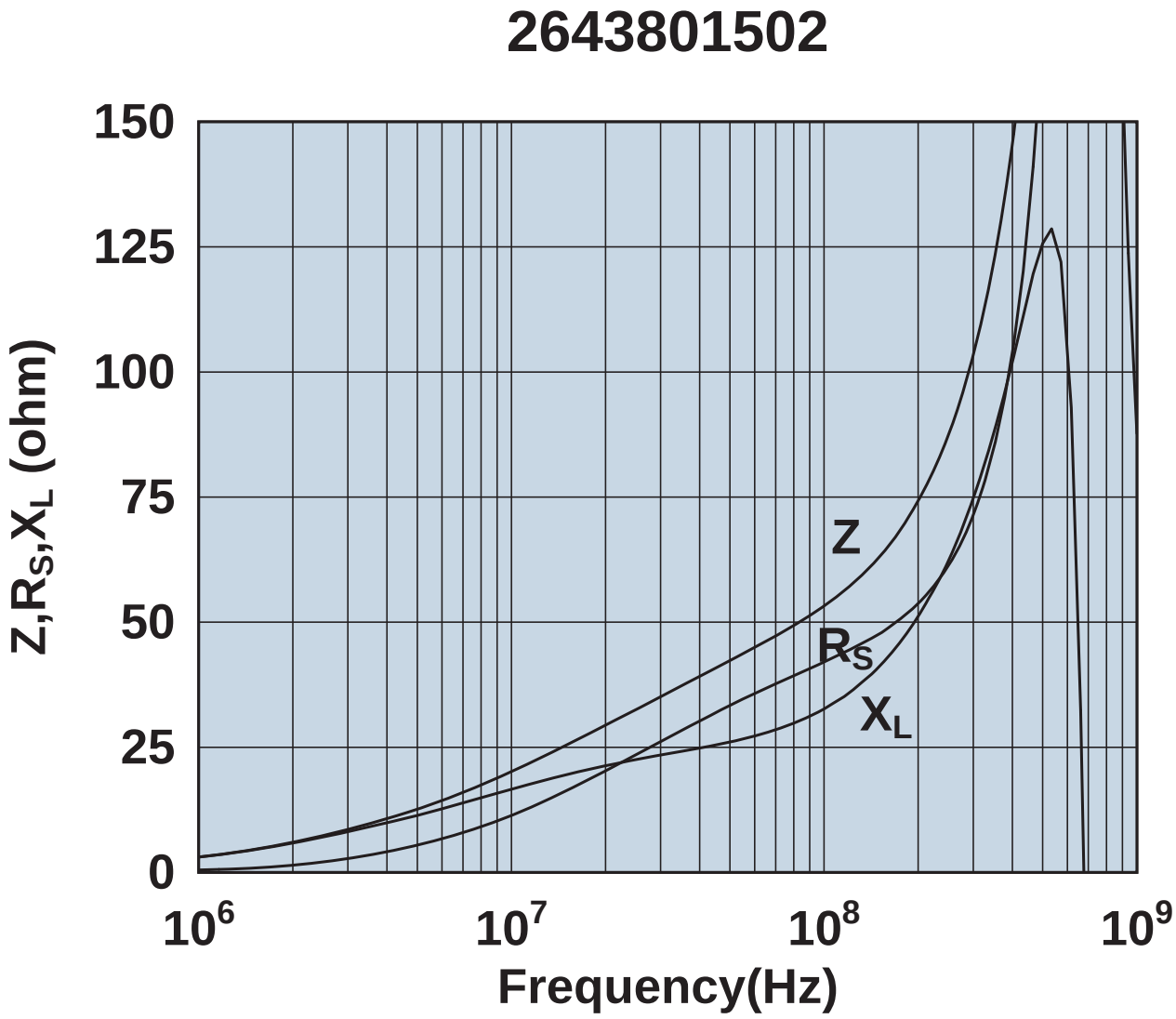


Impedance, reactance, and resistance vs. frequency.

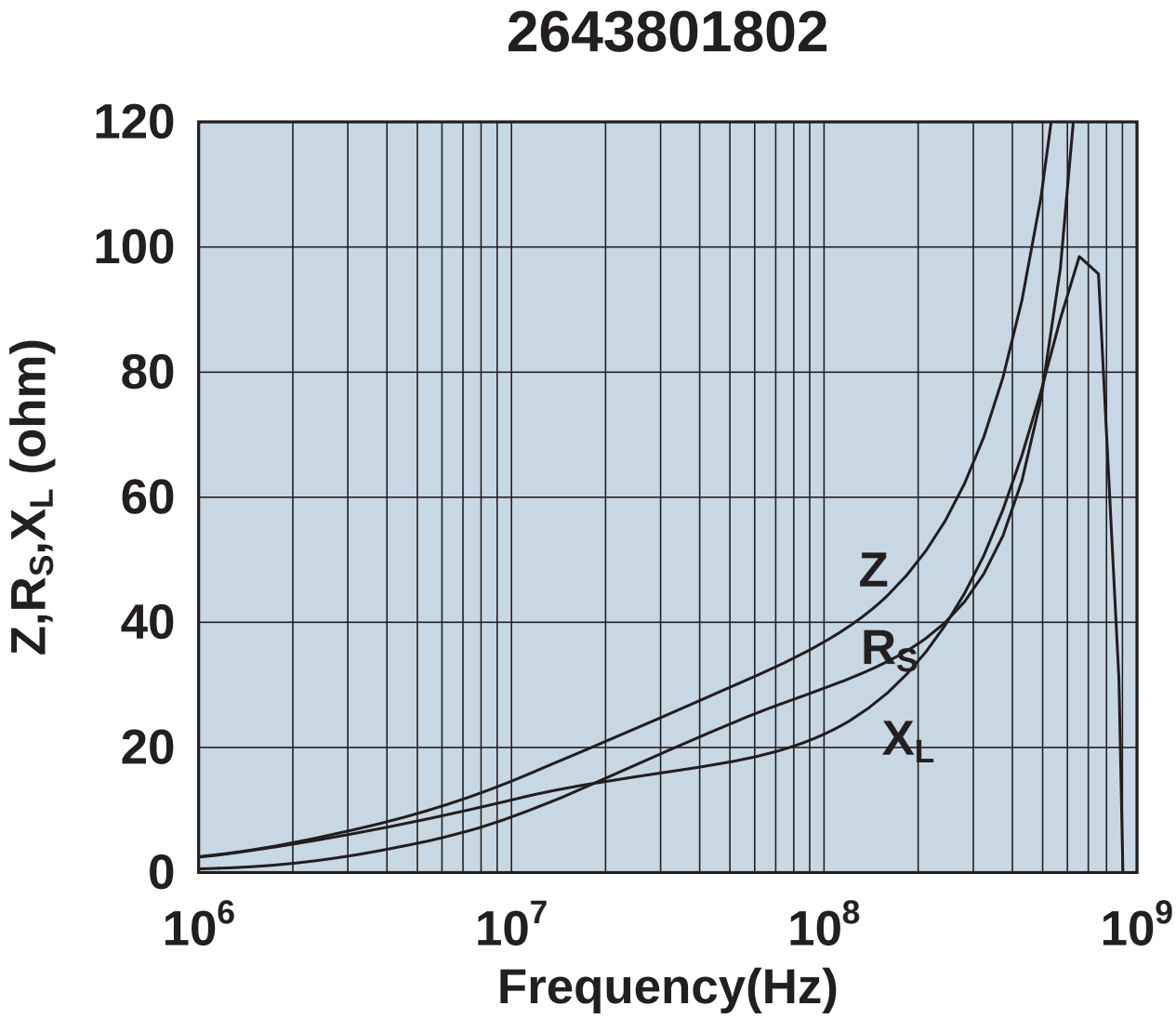
2643801402



Impedance, reactance, and resistance vs. frequency.

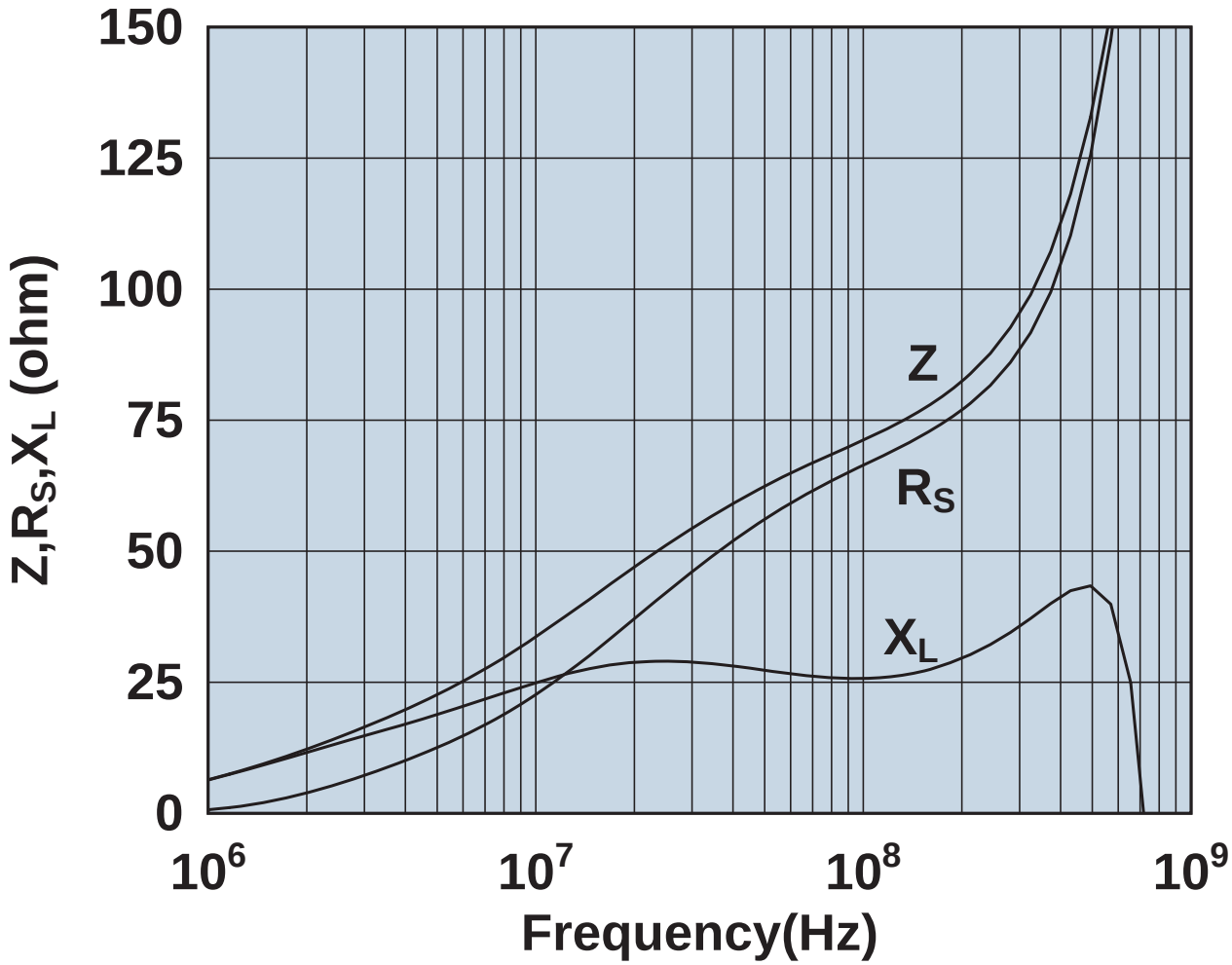


Impedance, reactance, and resistance vs. frequency.

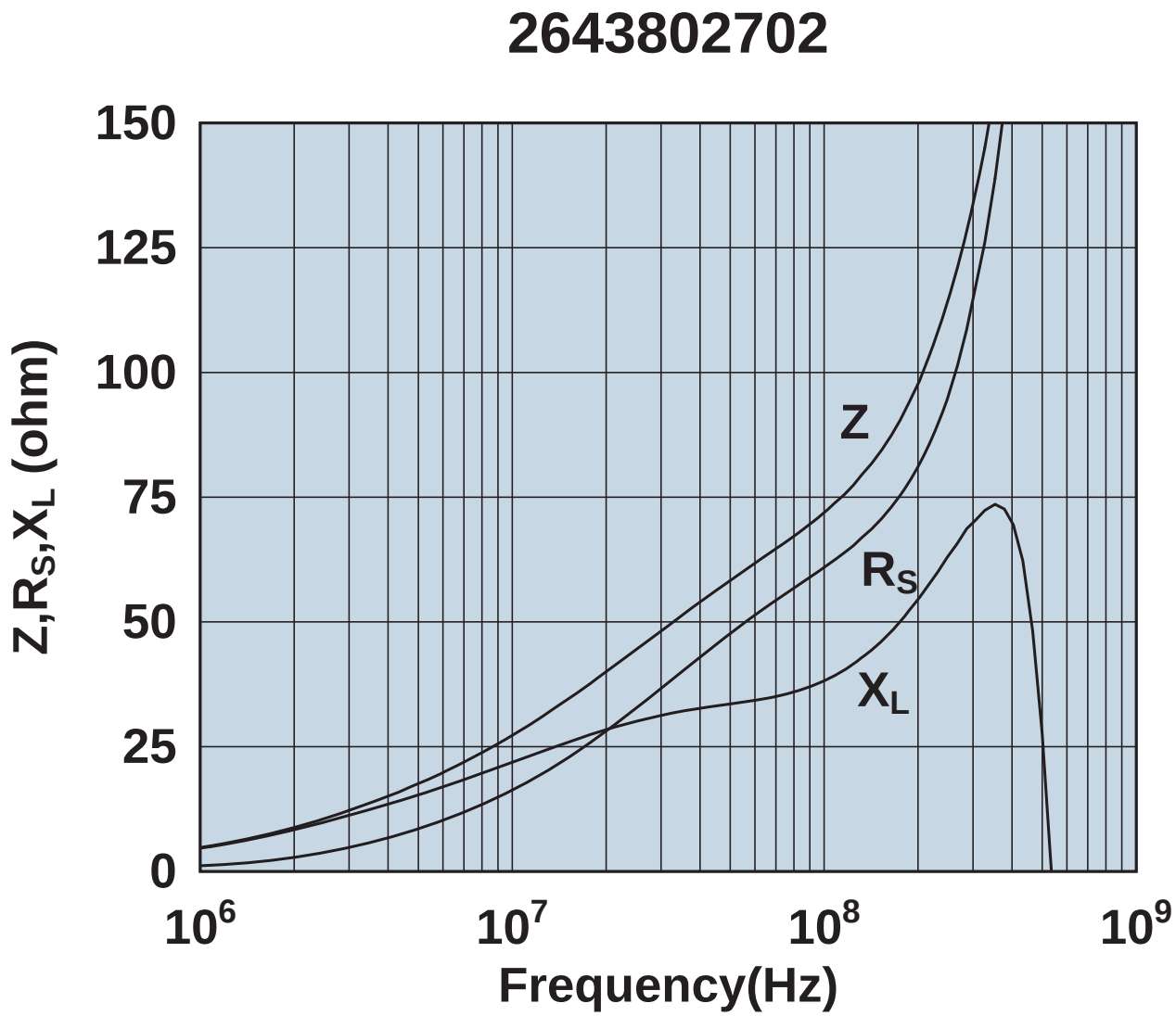


Impedance, reactance, and resistance vs. frequency.

2643801902



Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

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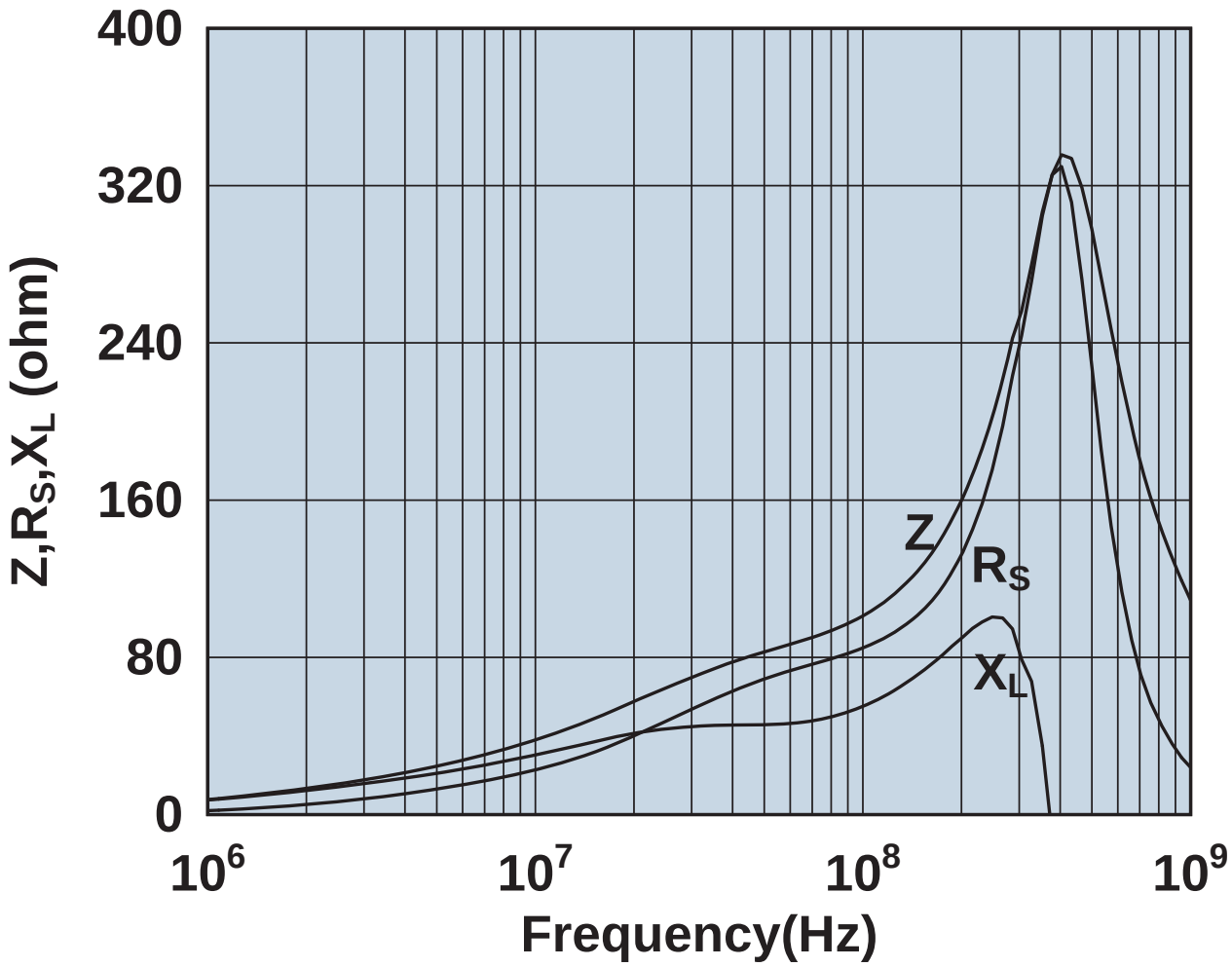

Impedance, reactance, and resistance vs. frequency.

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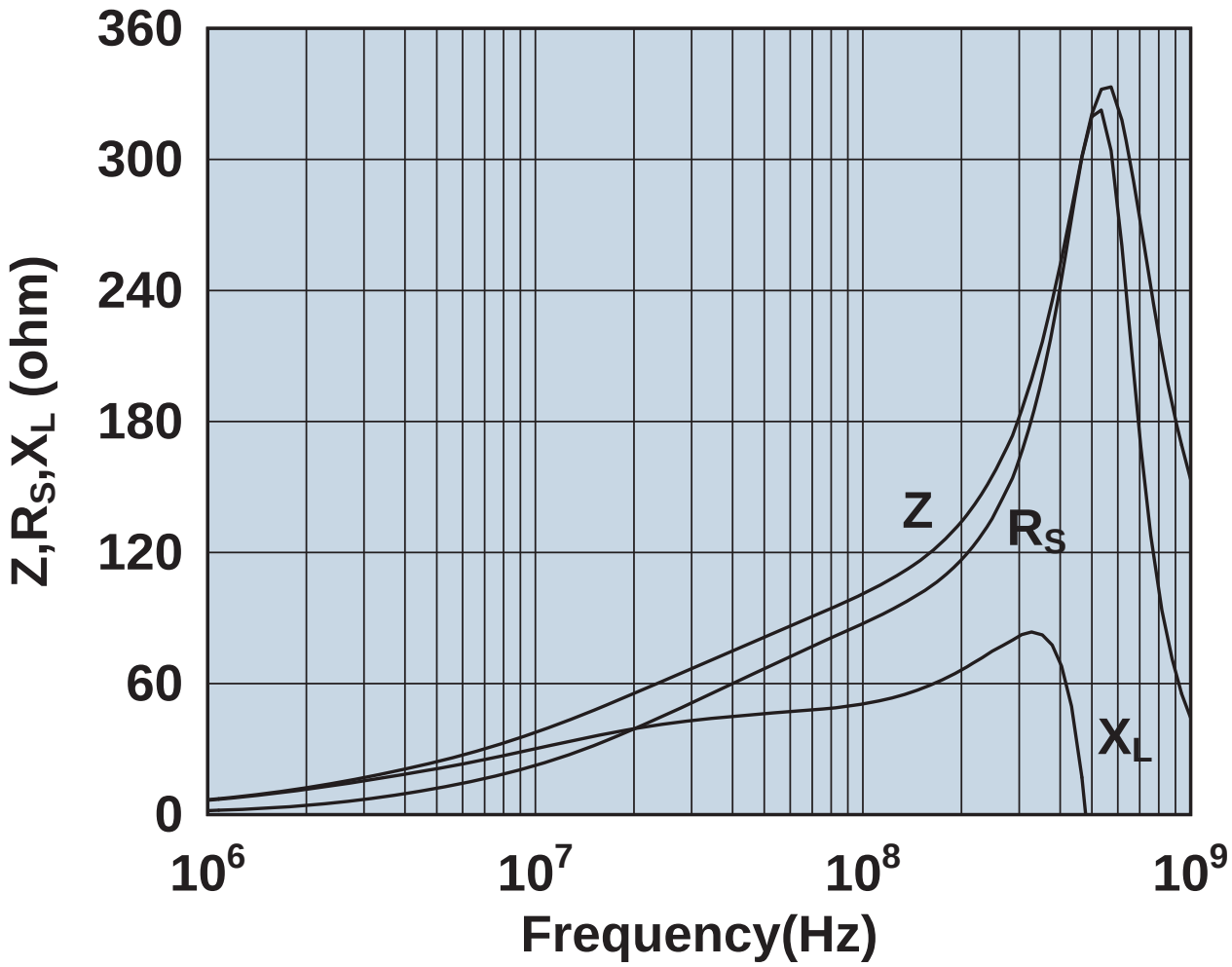
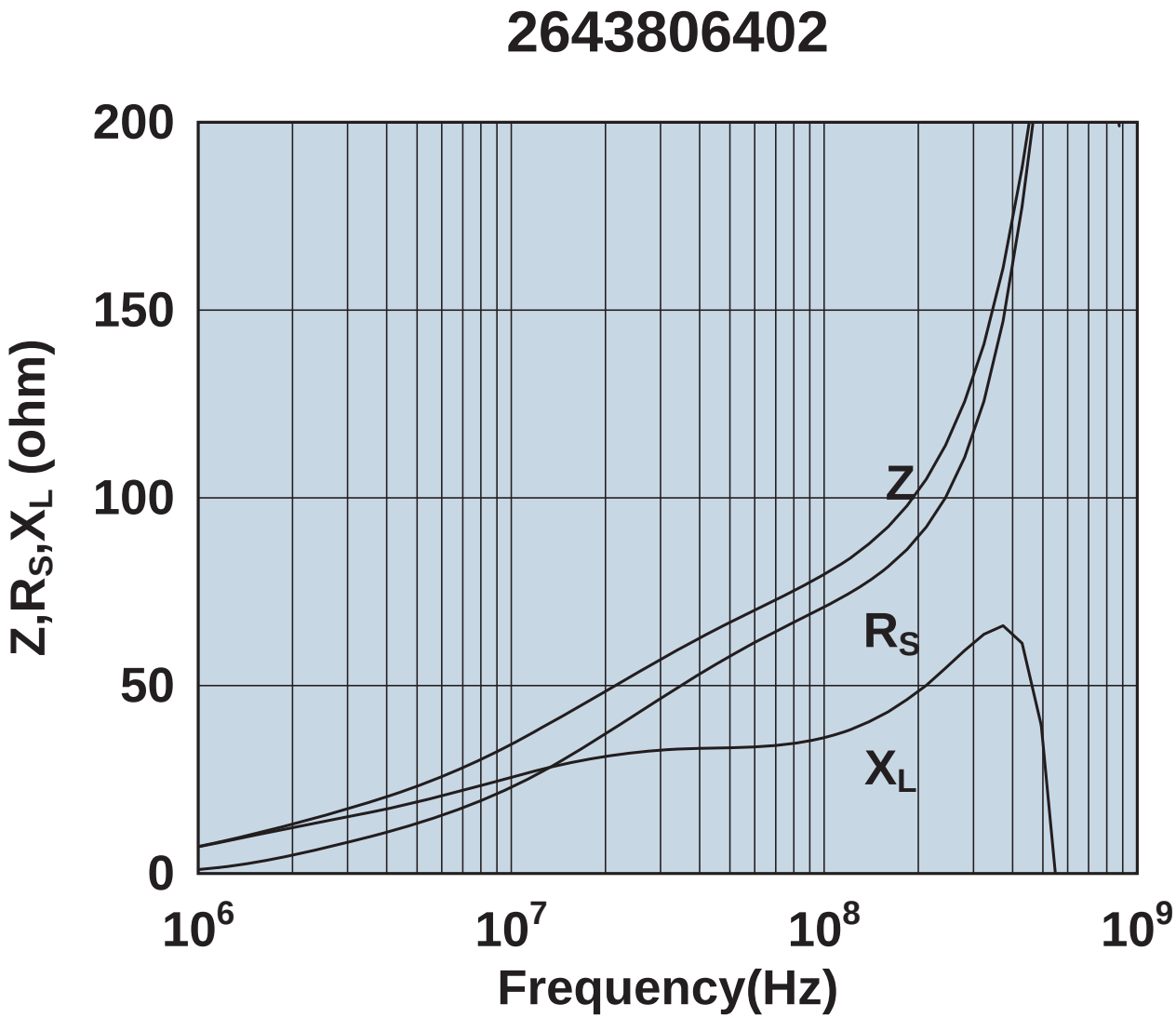


Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

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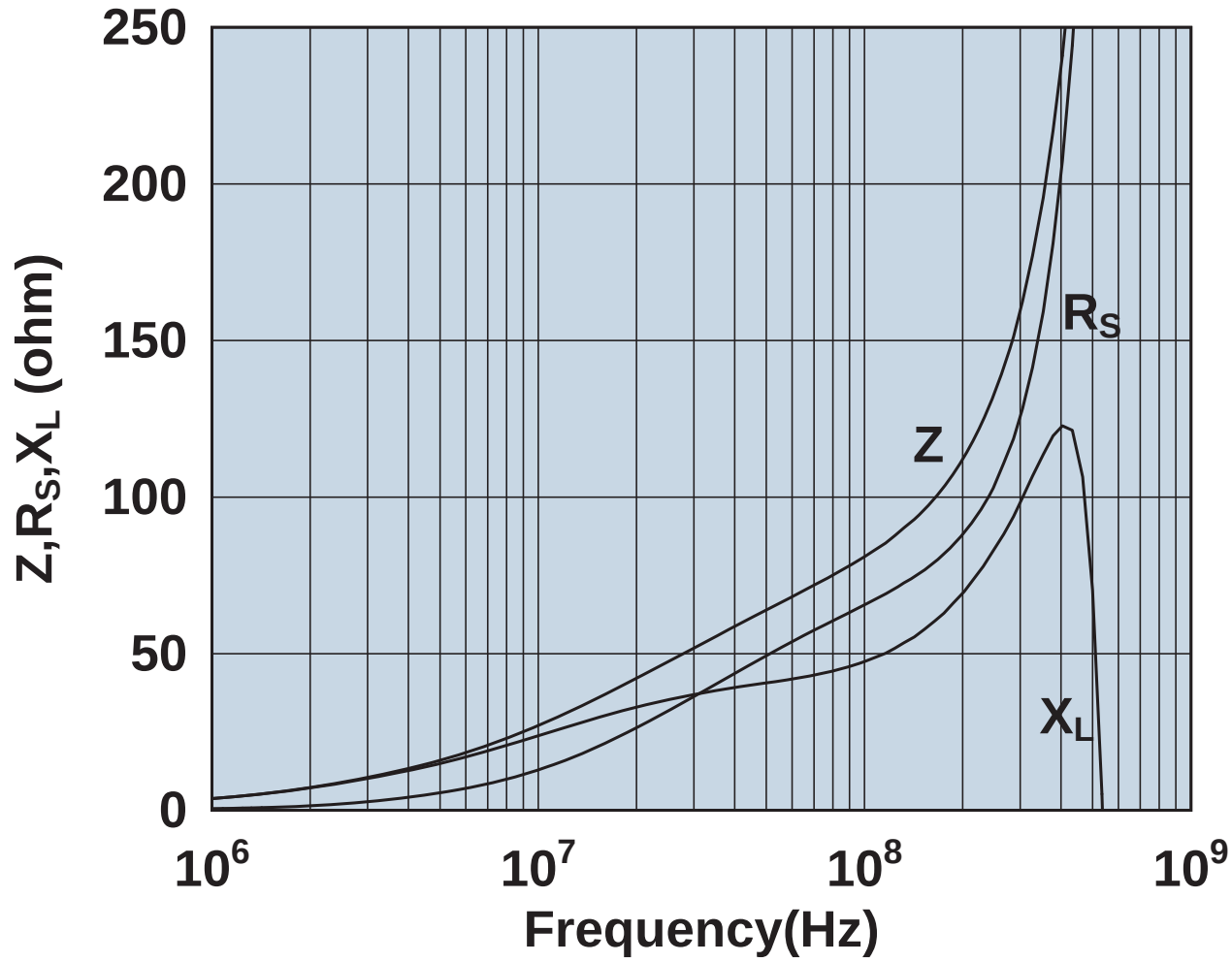
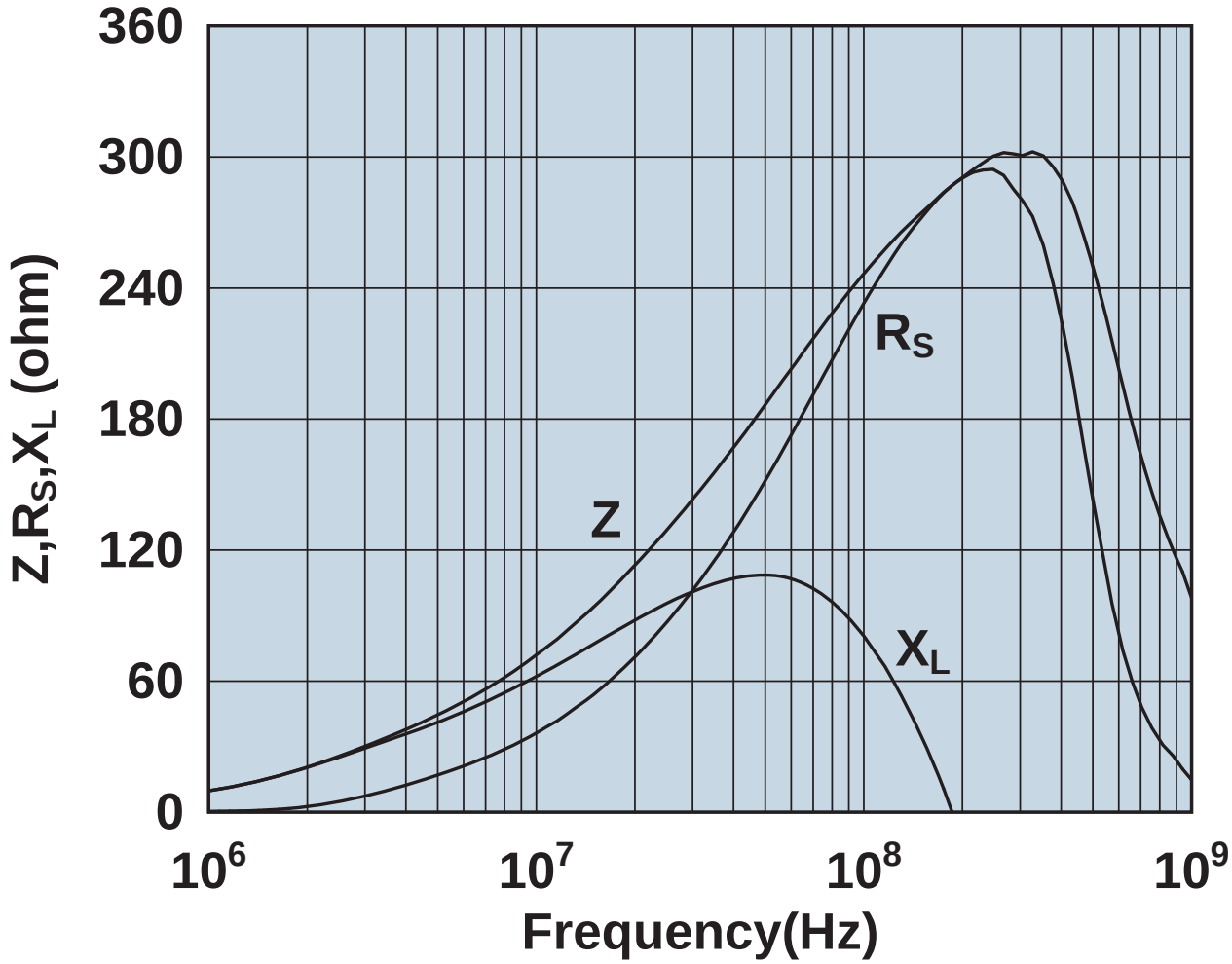


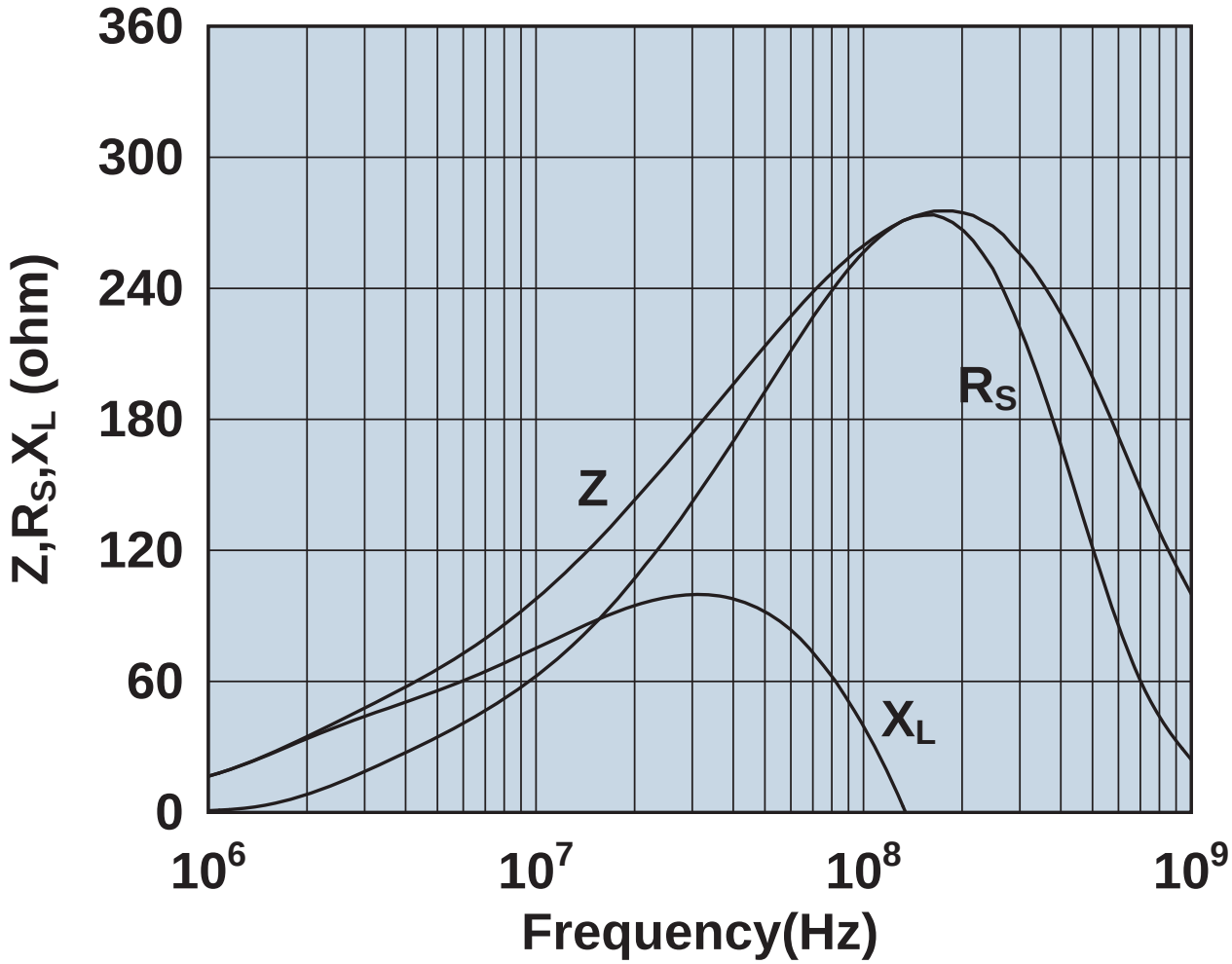
Impedance, reactance, and resistance vs. frequency.

2644164181



Impedance, reactance, and resistance vs. frequency.

2644164281



Impedance, reactance, and resistance vs. frequency.

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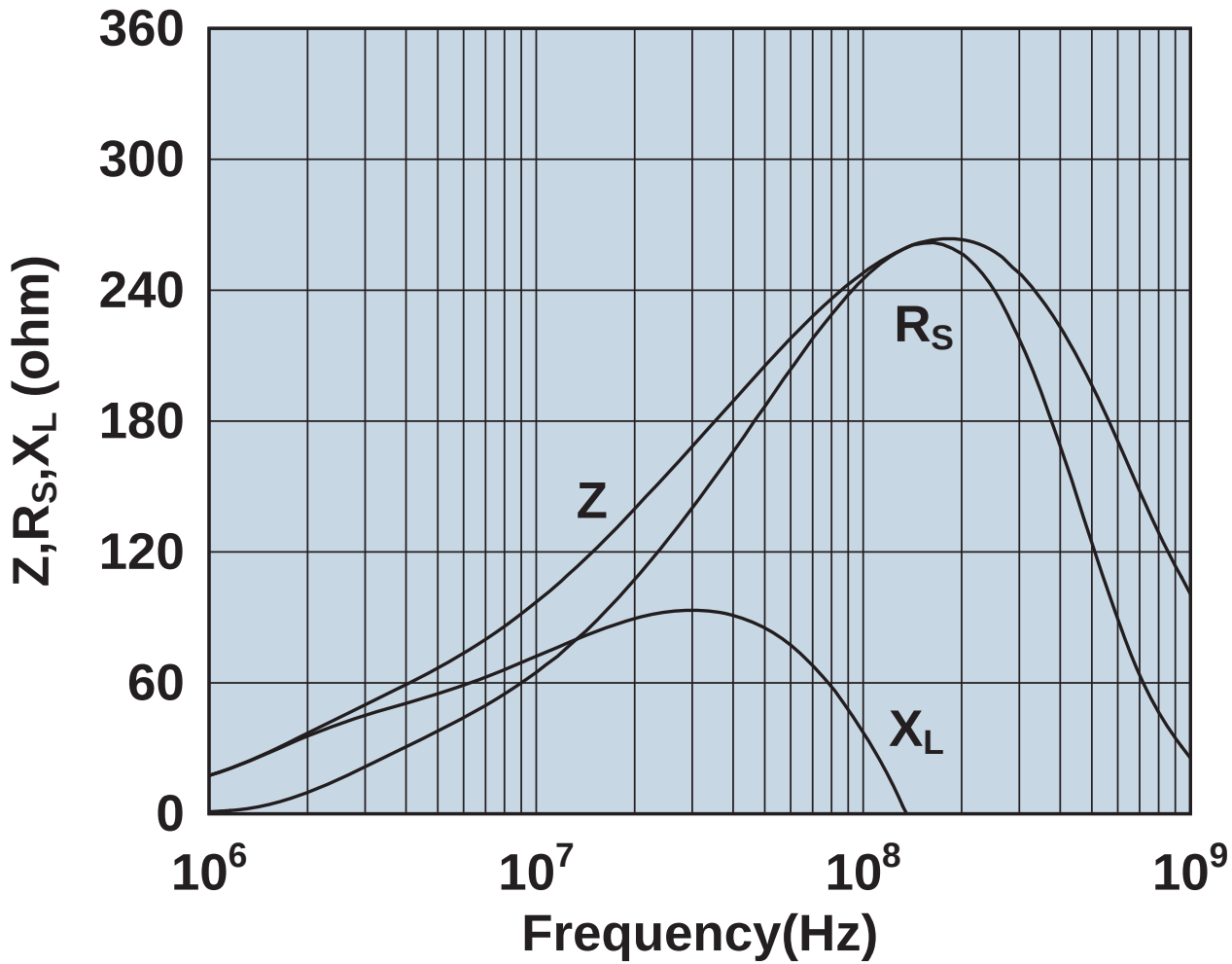
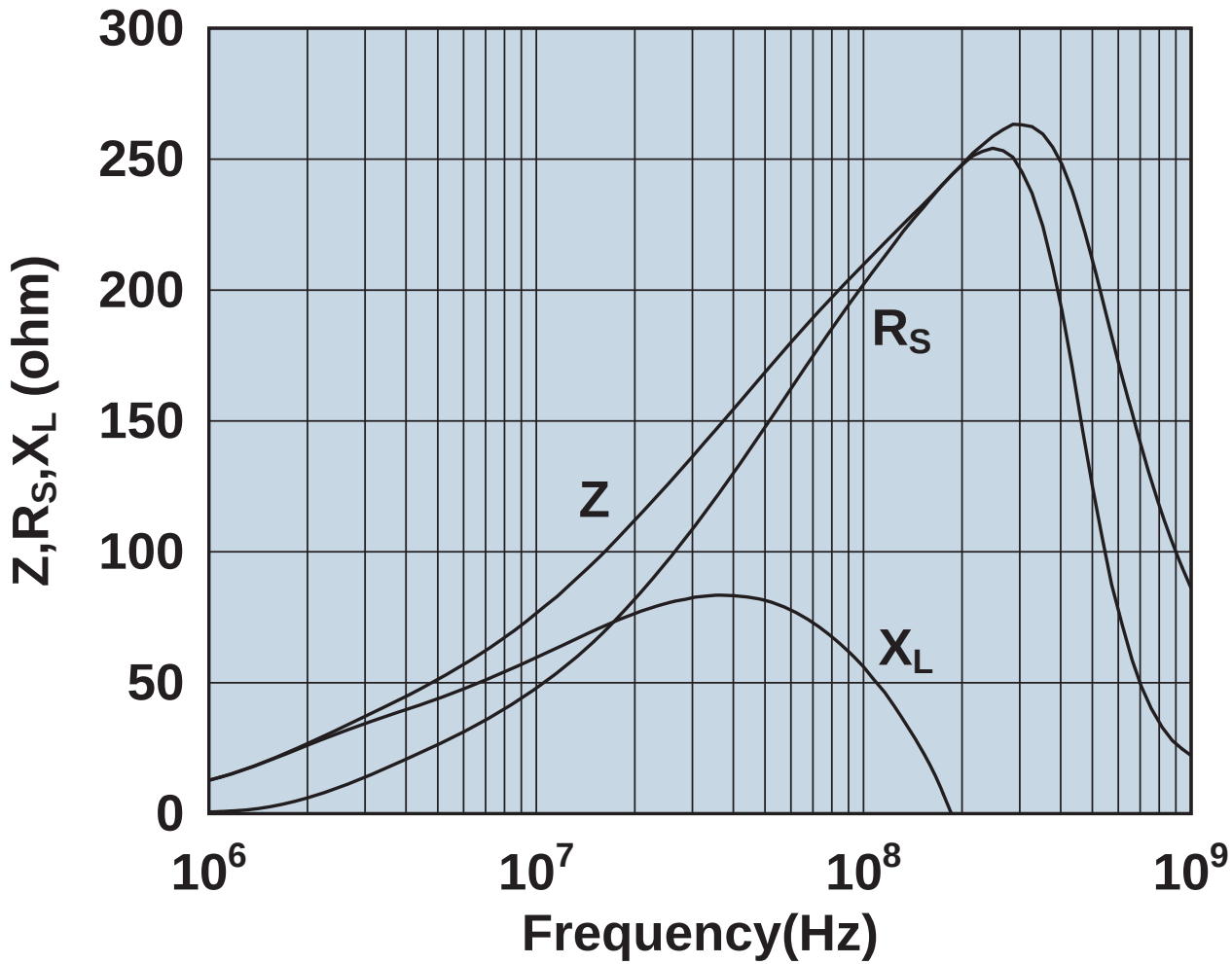


Impedance, reactance, and resistance vs. frequency.

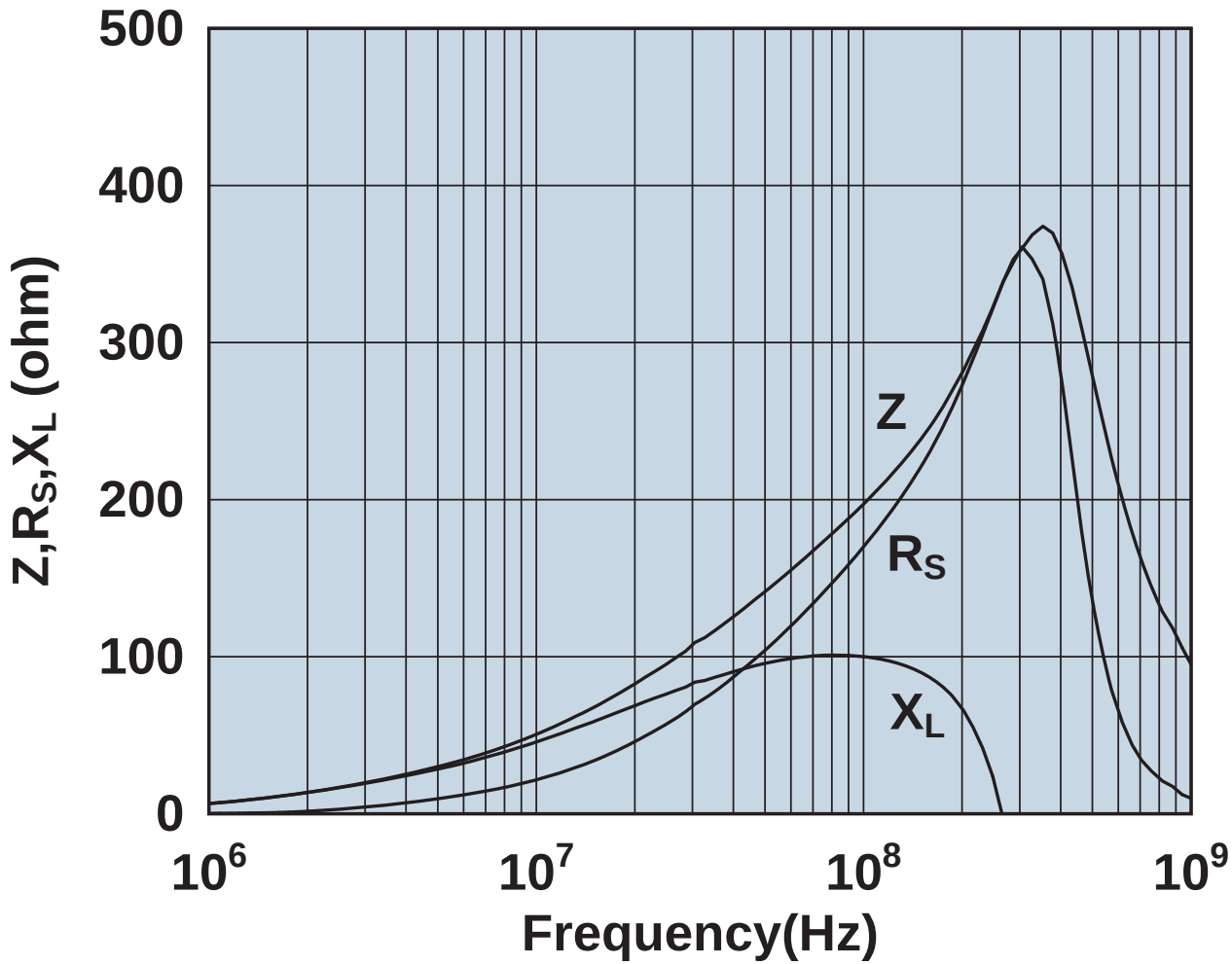
Click on part number to return to catalog.

2644167281



Impedance, reactance, and resistance vs. frequency.

2644173551



Impedance, reactance, and resistance vs. frequency.

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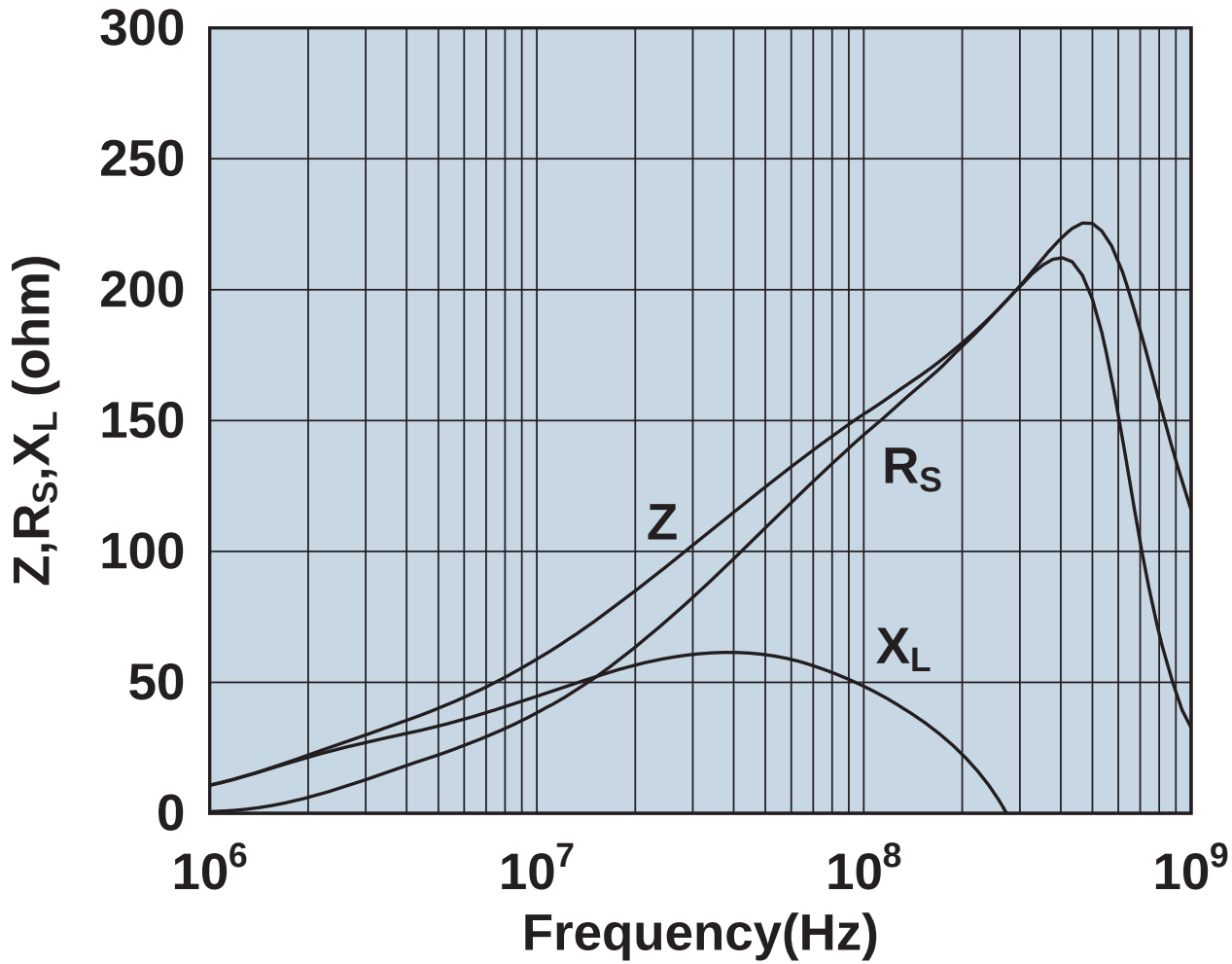
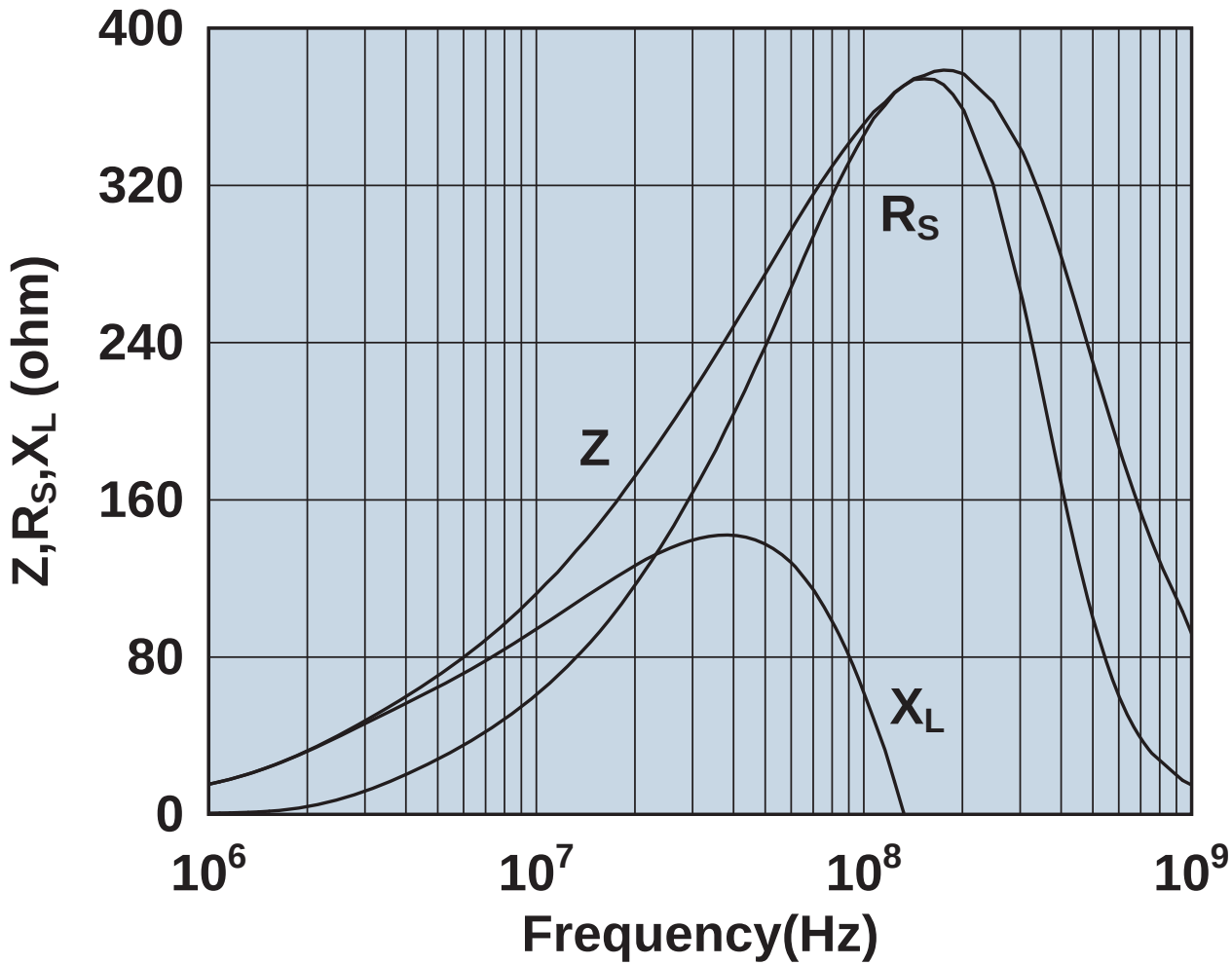


Impedance, reactance, and resistance vs. frequency.

2644176451



Impedance, reactance, and resistance vs. frequency.

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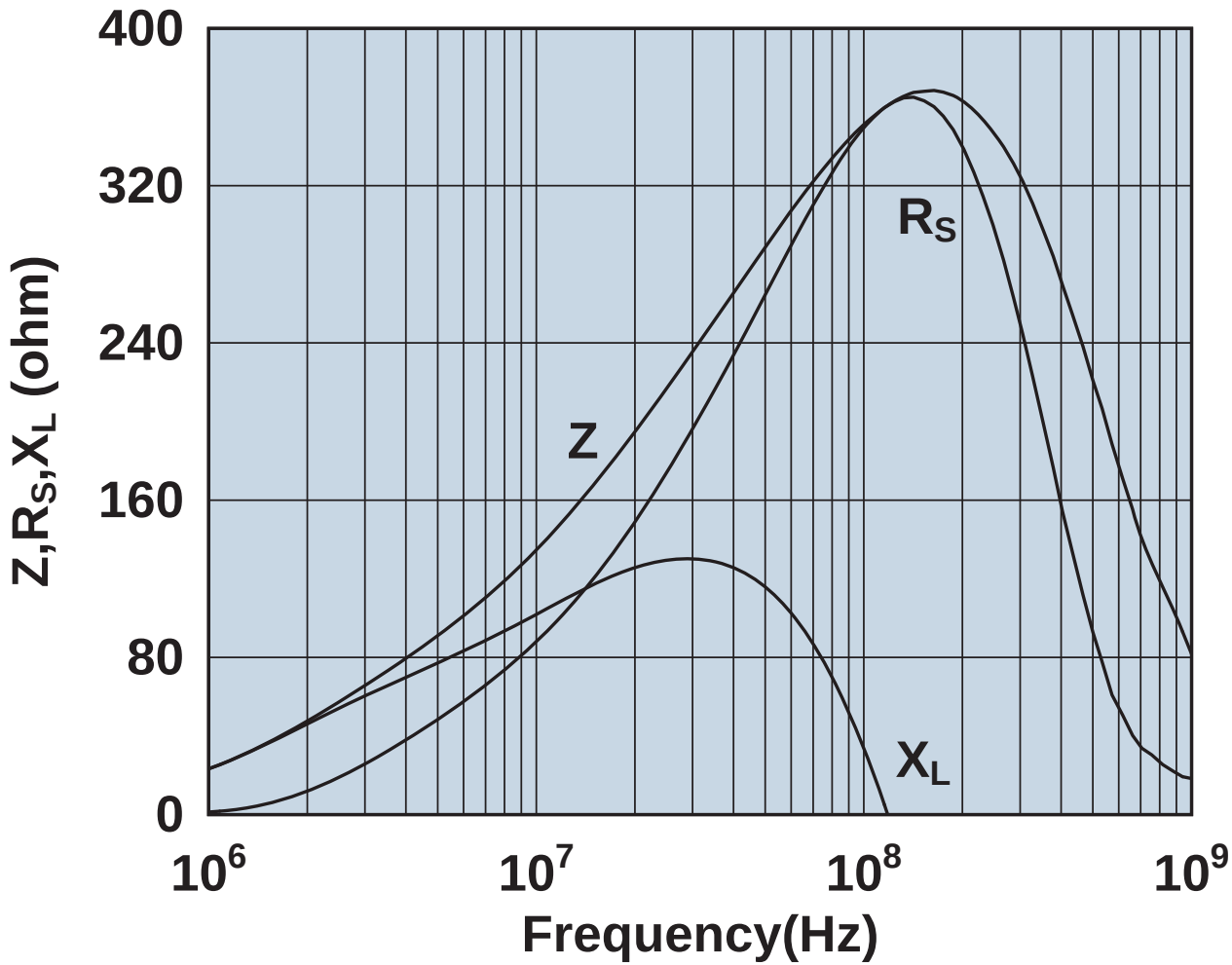
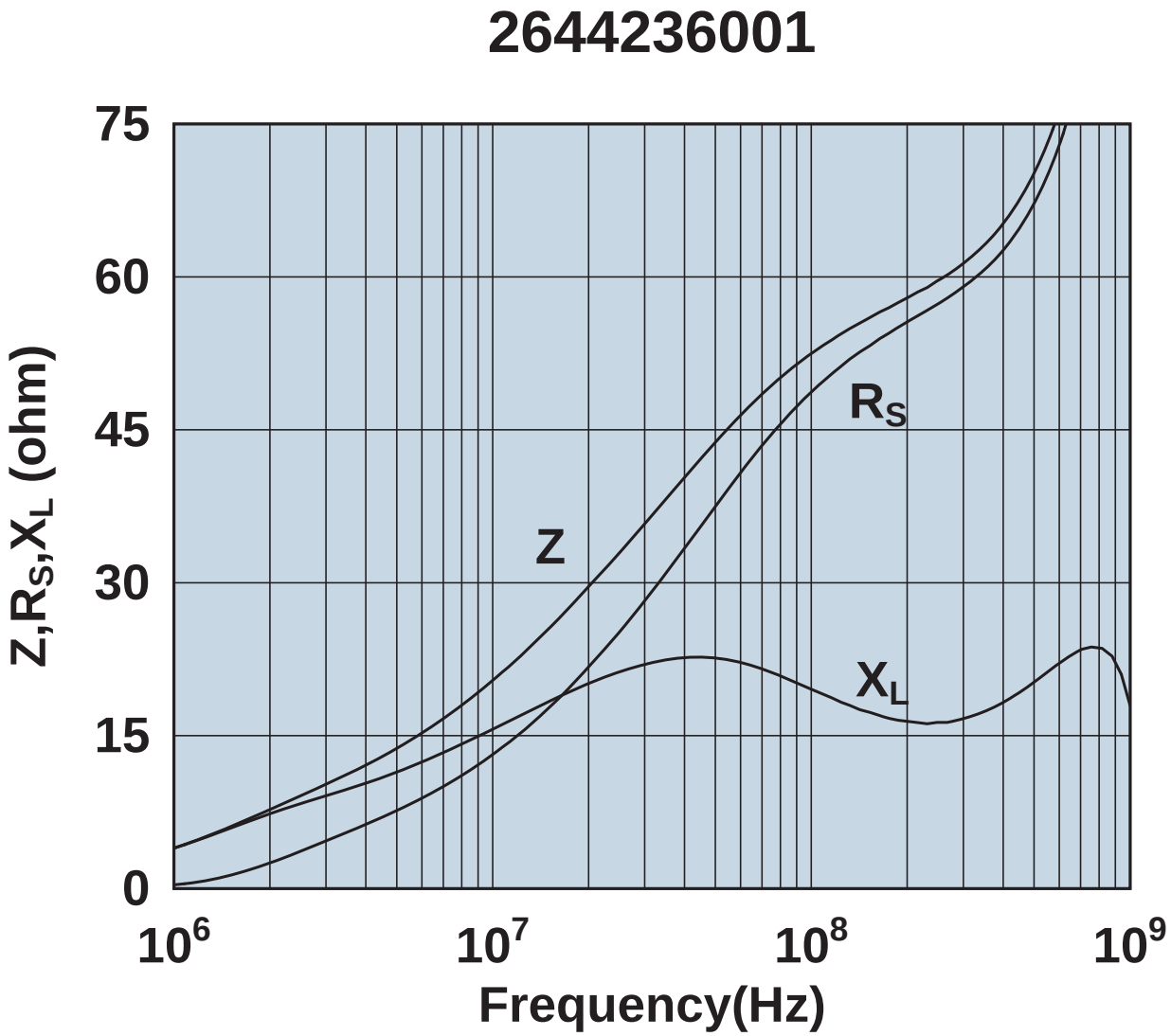
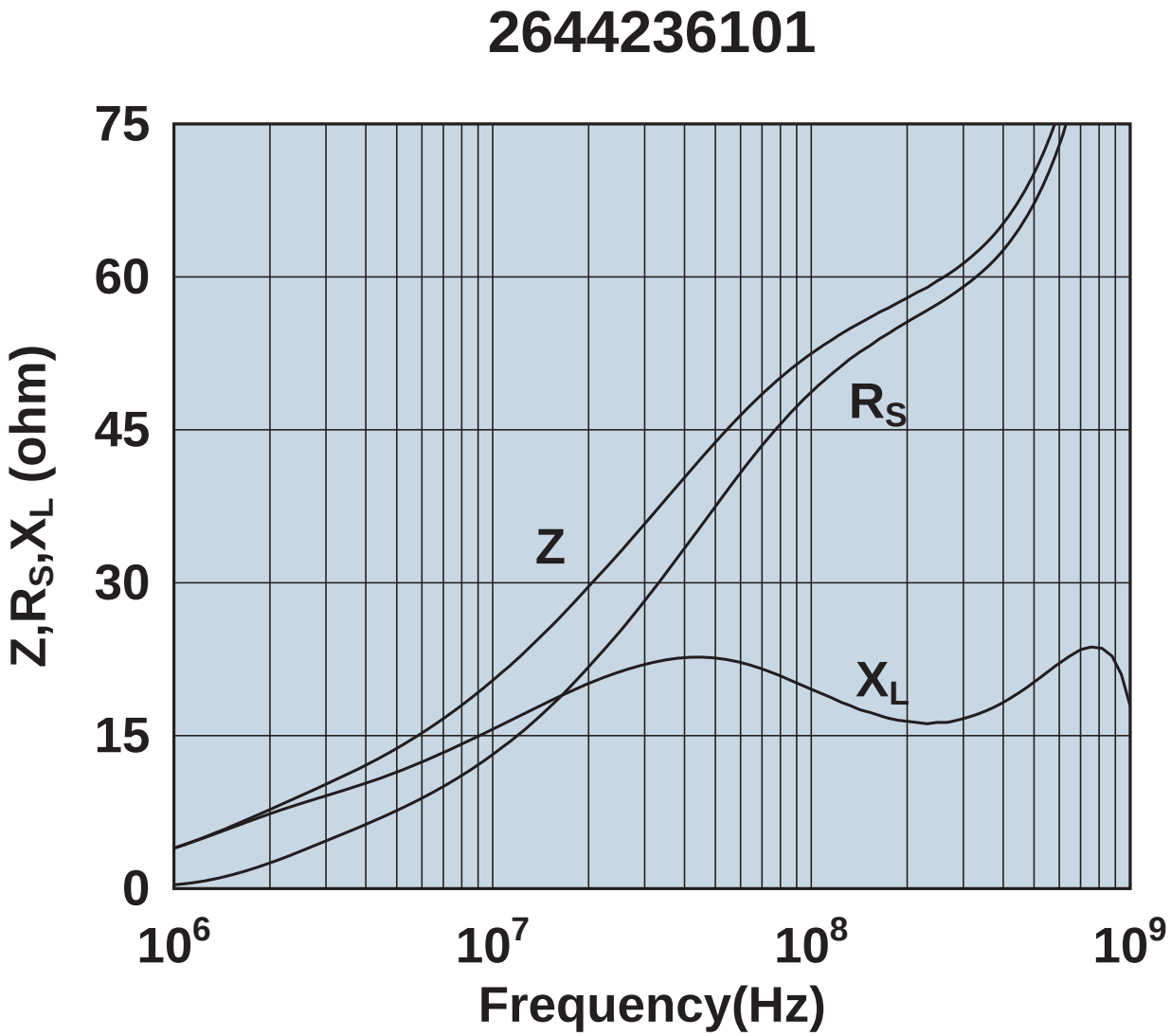


Impedance, reactance, and resistance vs. frequency.

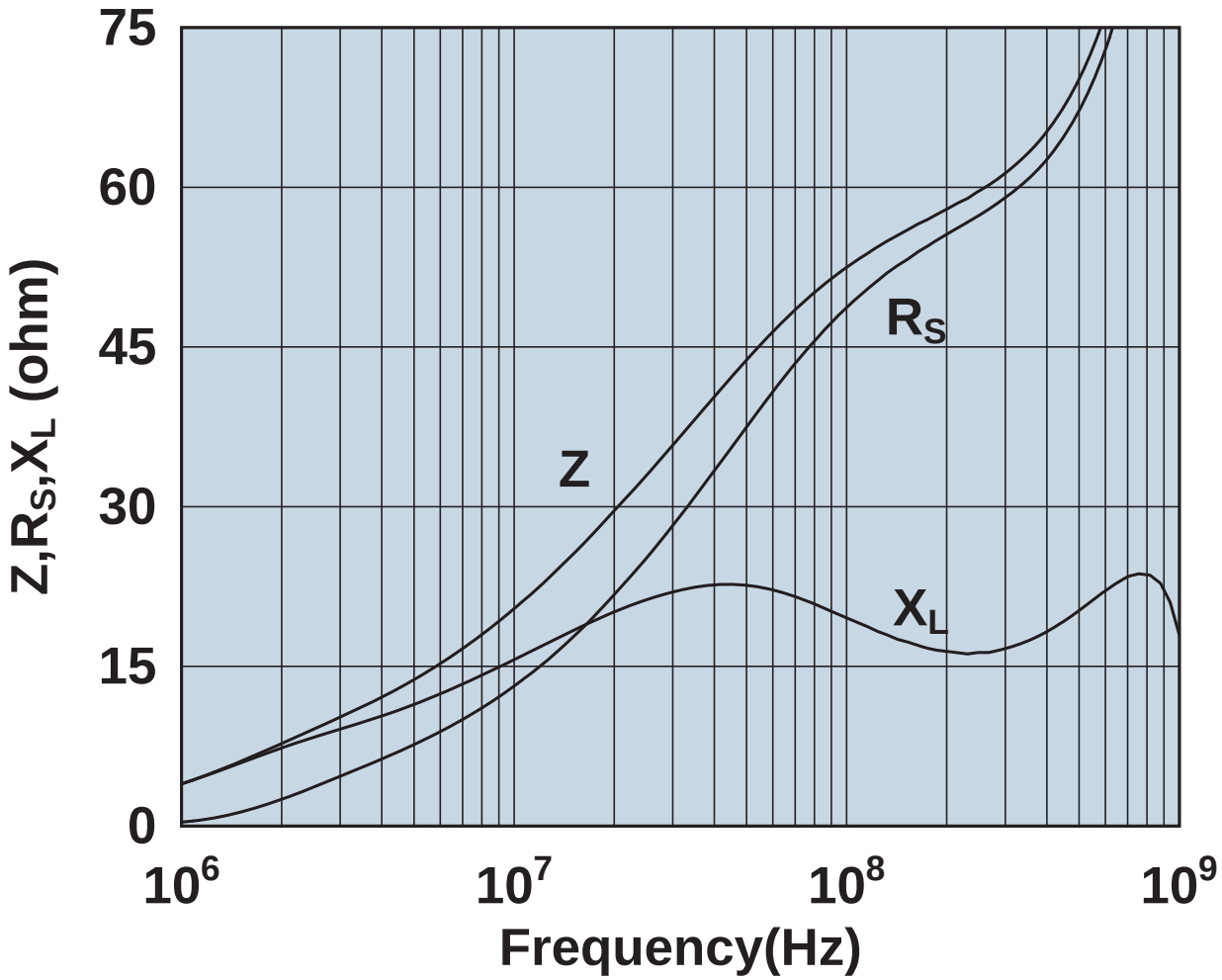


Impedance, reactance, and resistance vs. frequency.



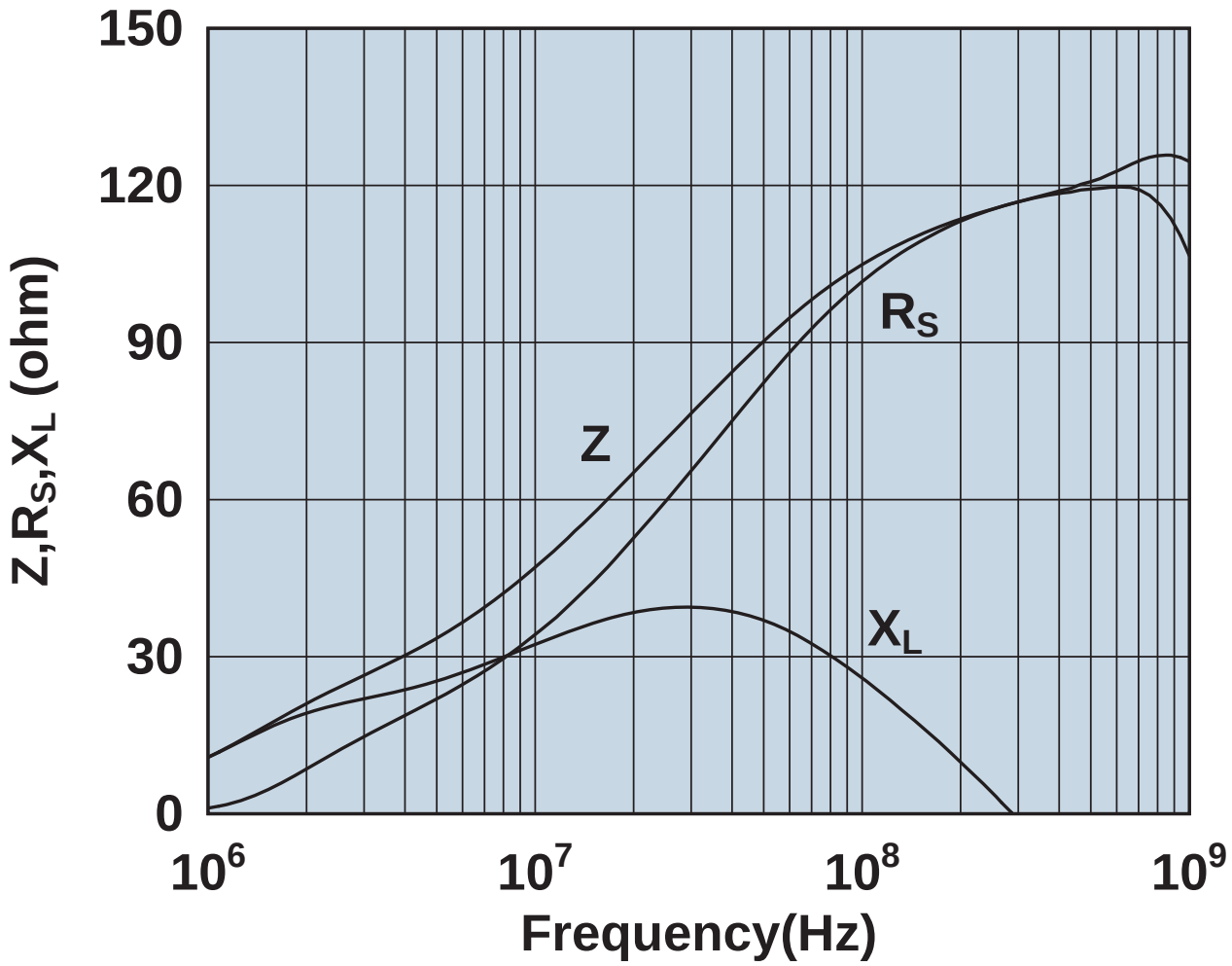
Impedance, reactance, and resistance vs. frequency.

2644236301

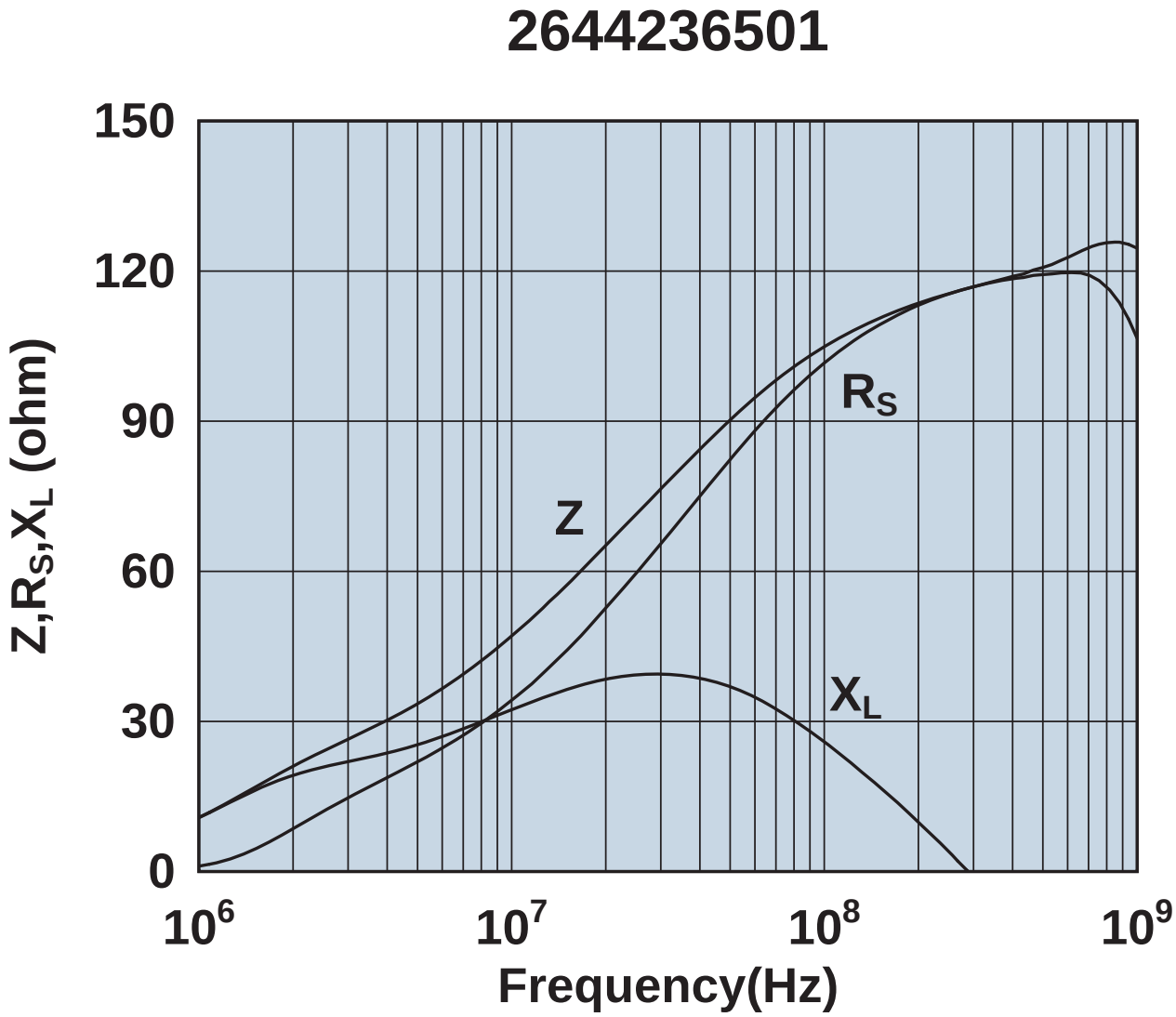


Impedance, reactance, and resistance vs. frequency.

2644236401



Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

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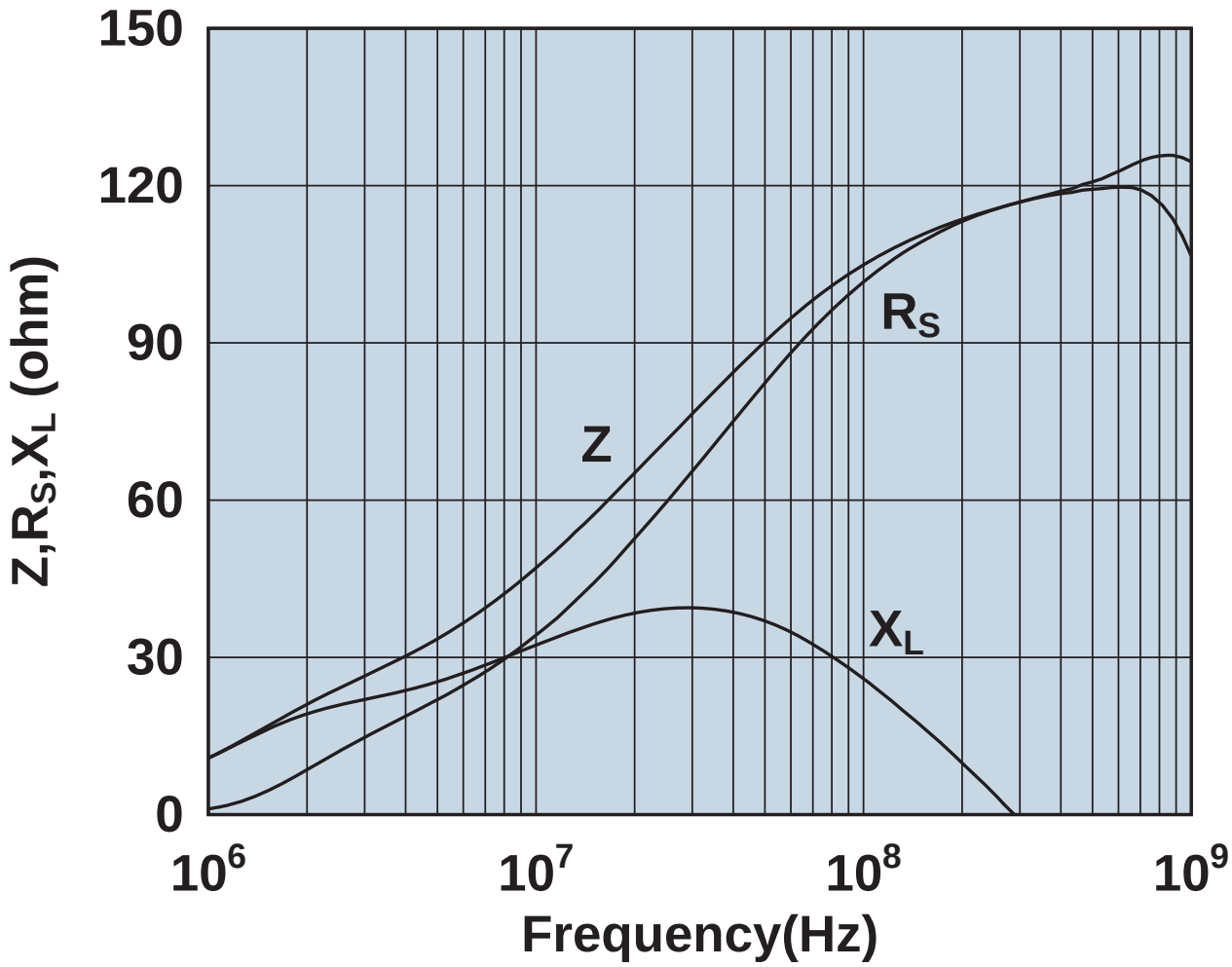
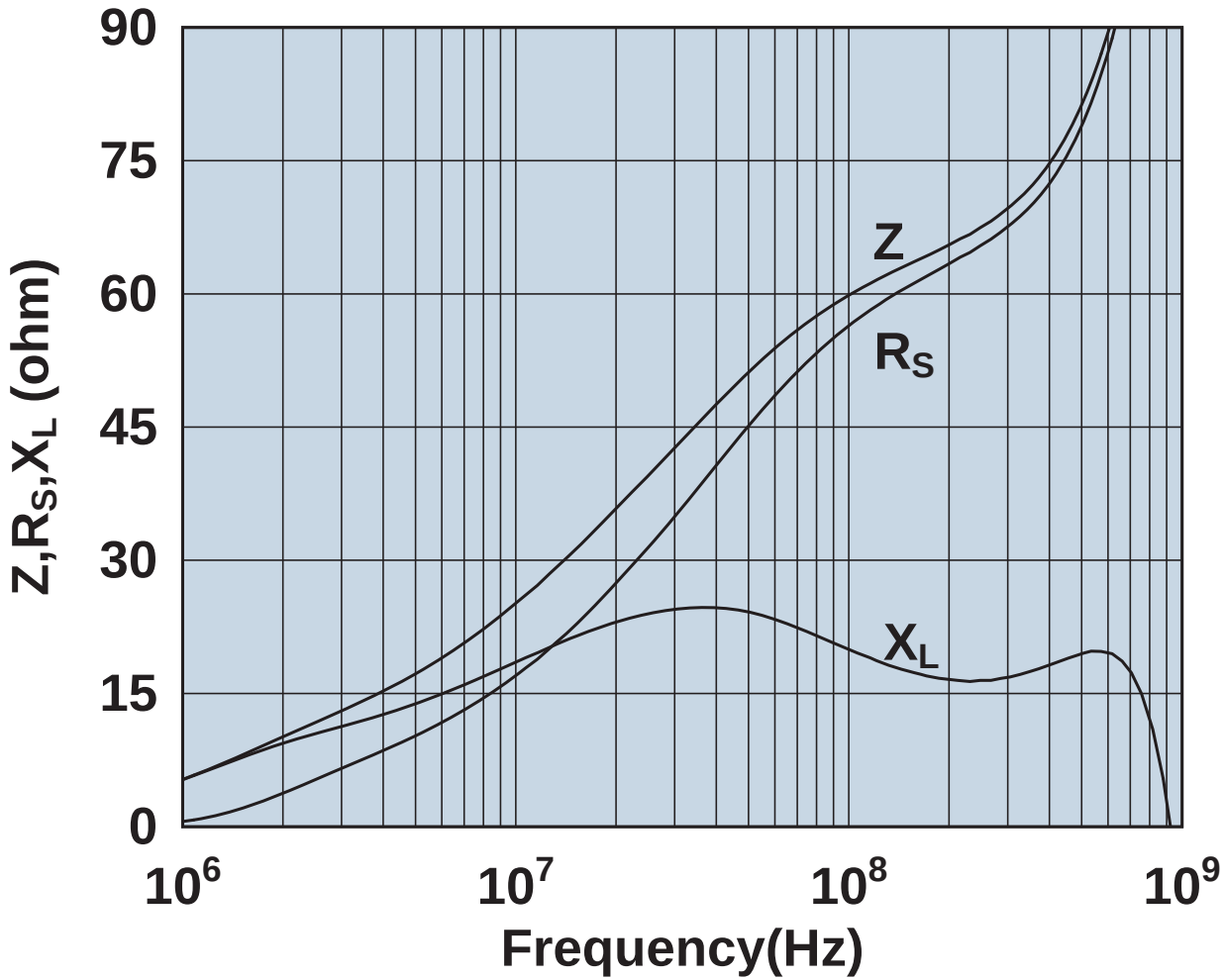


Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

2644245601



Impedance, reactance, and resistance vs. frequency.

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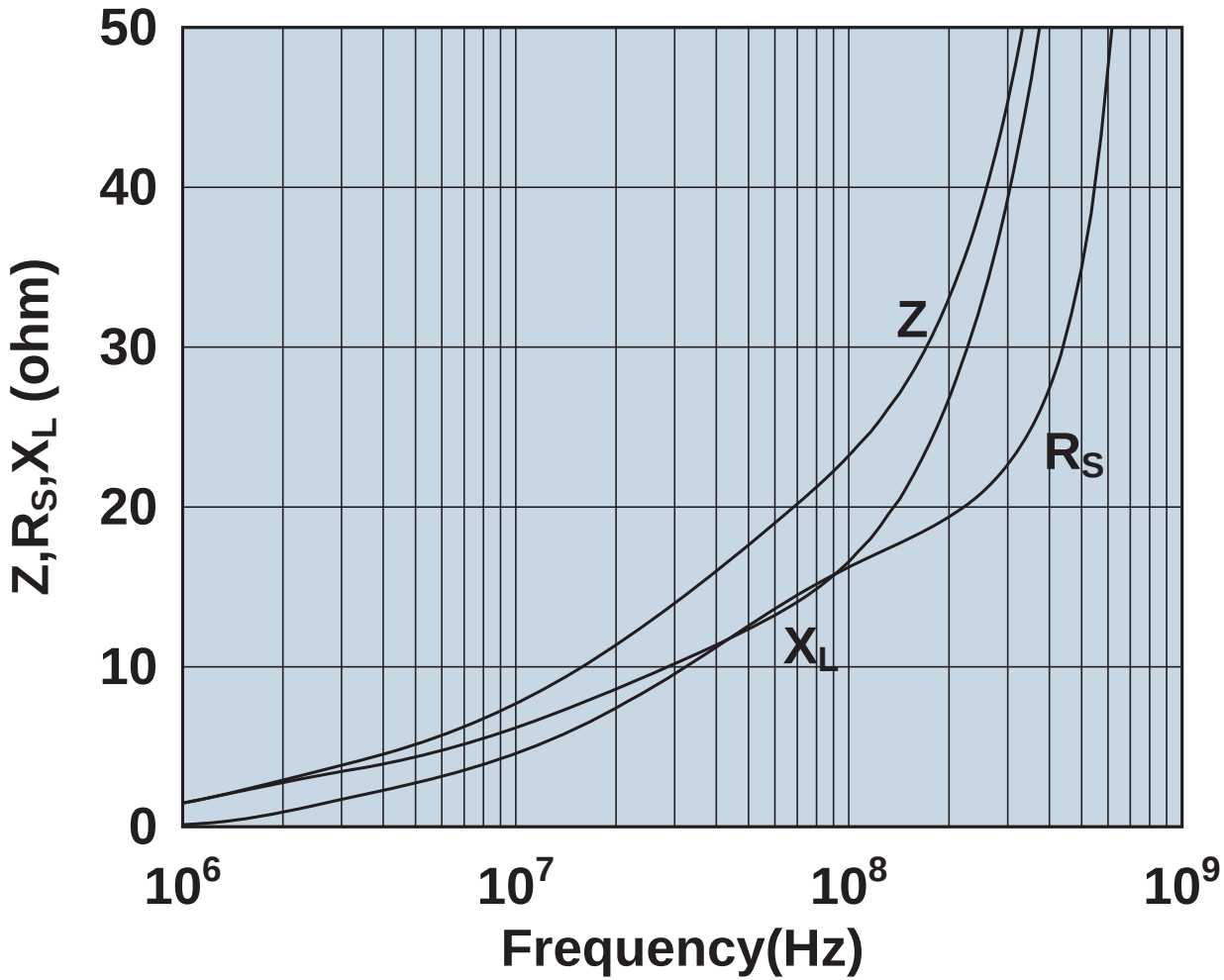

Impedance, reactance, and resistance vs. frequency.

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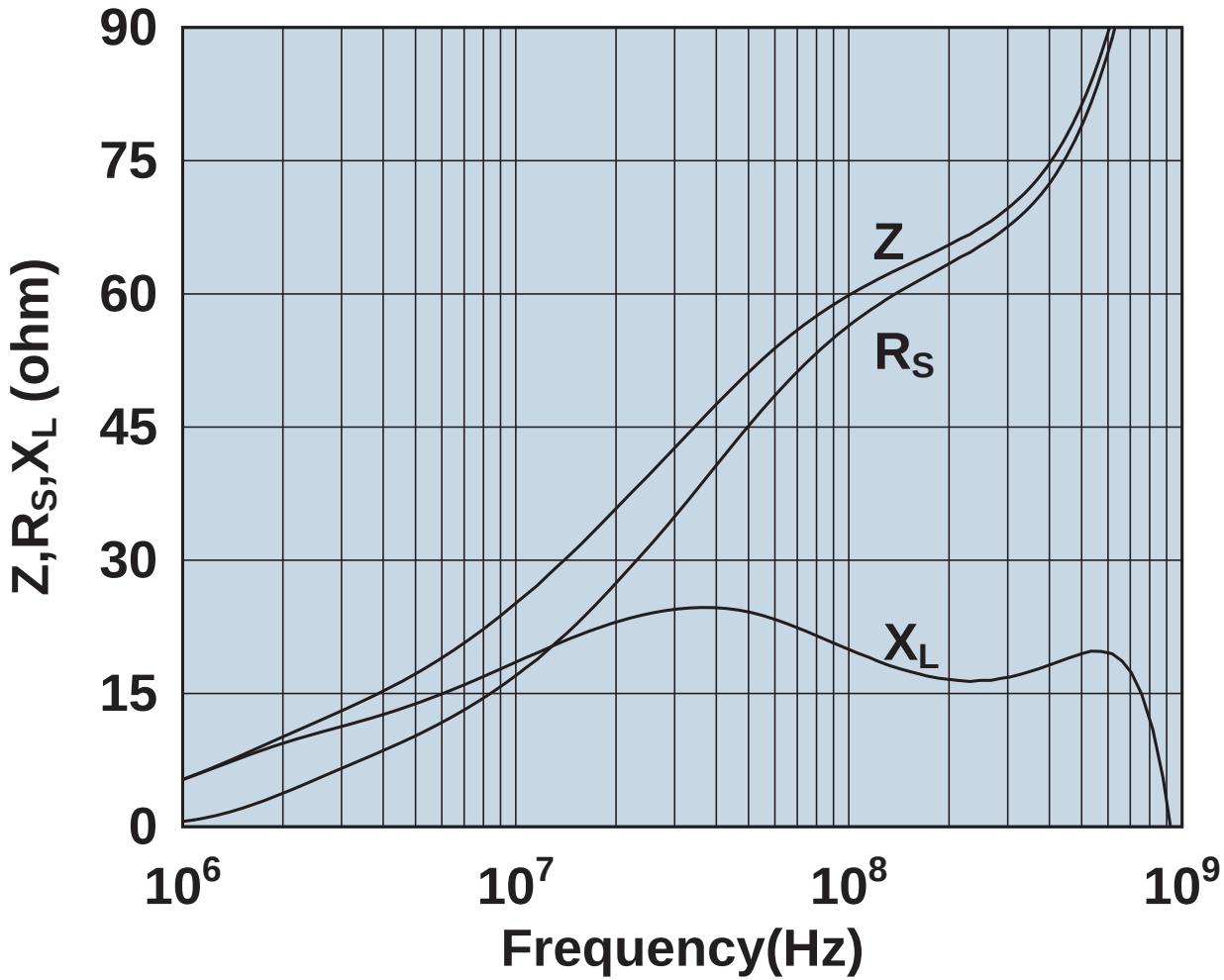
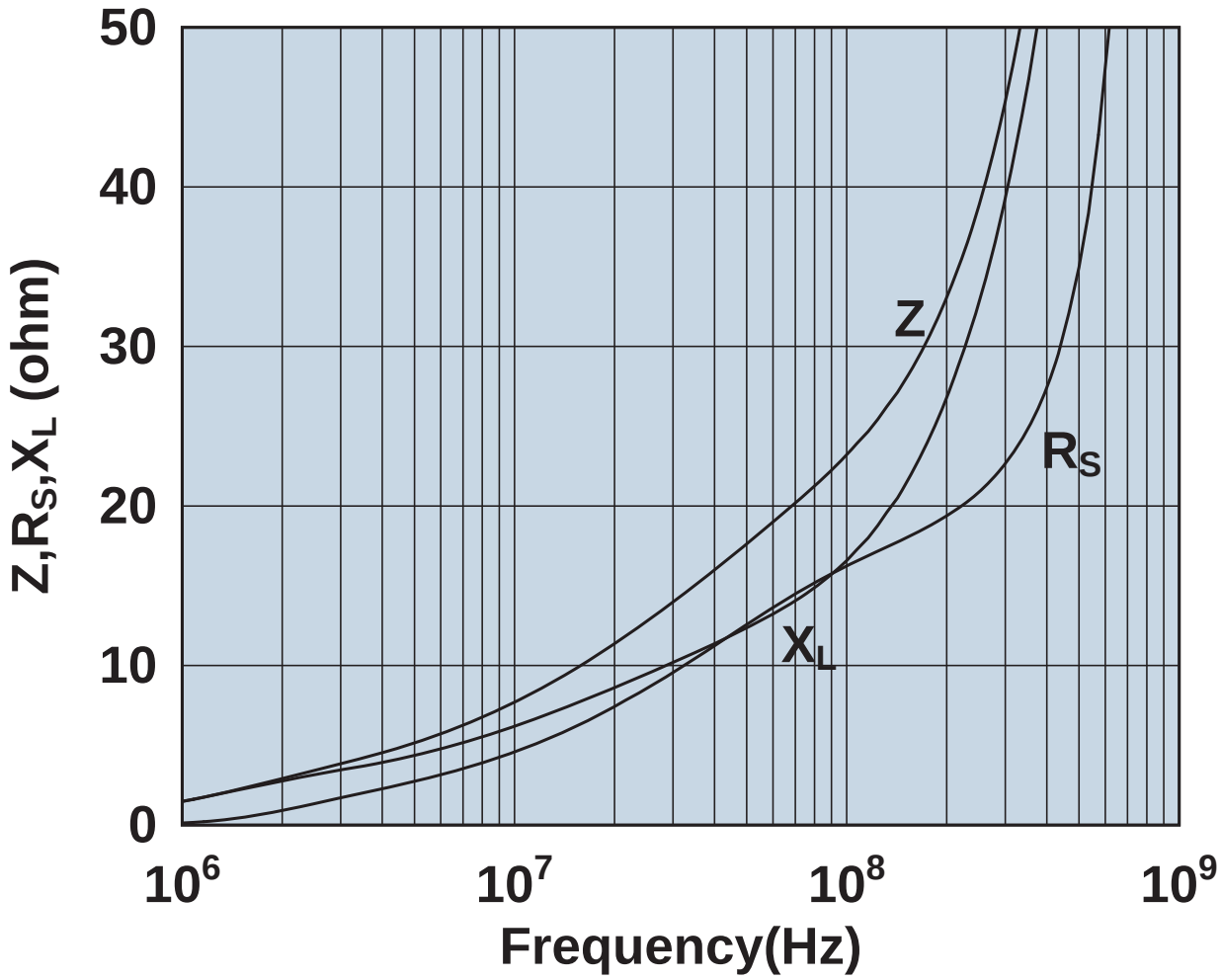
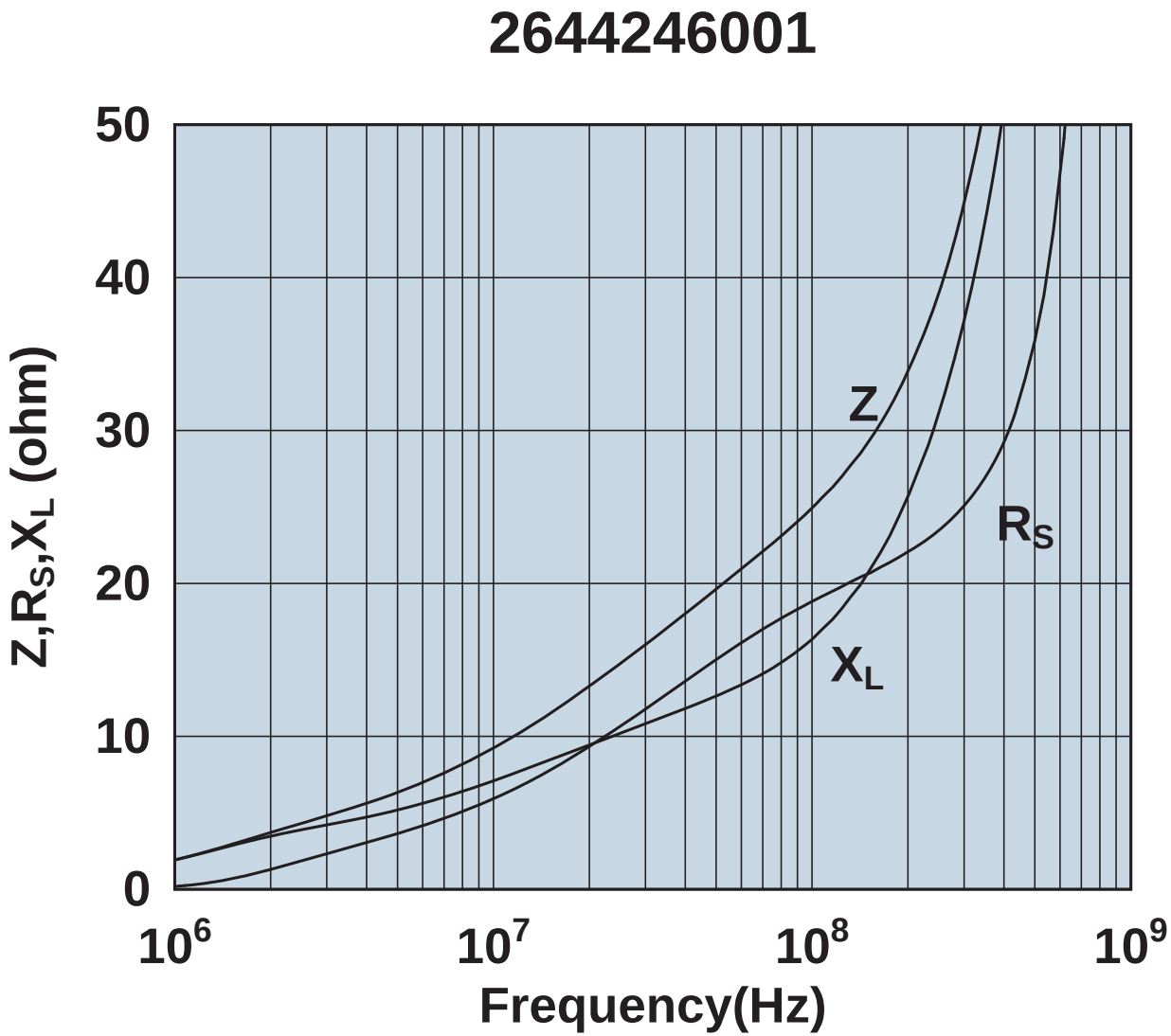


Impedance, reactance, and resistance vs. frequency.

2644245901



Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

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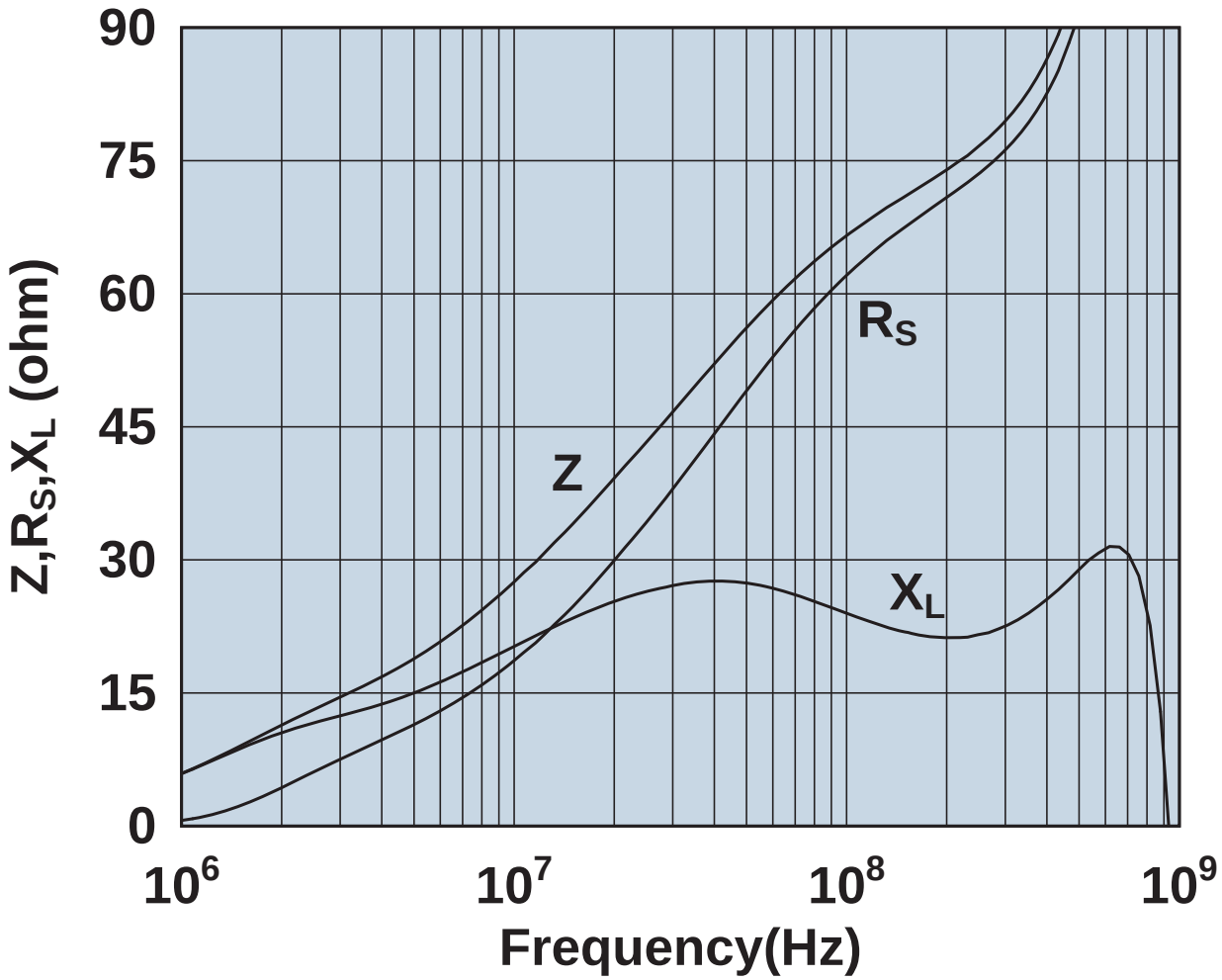
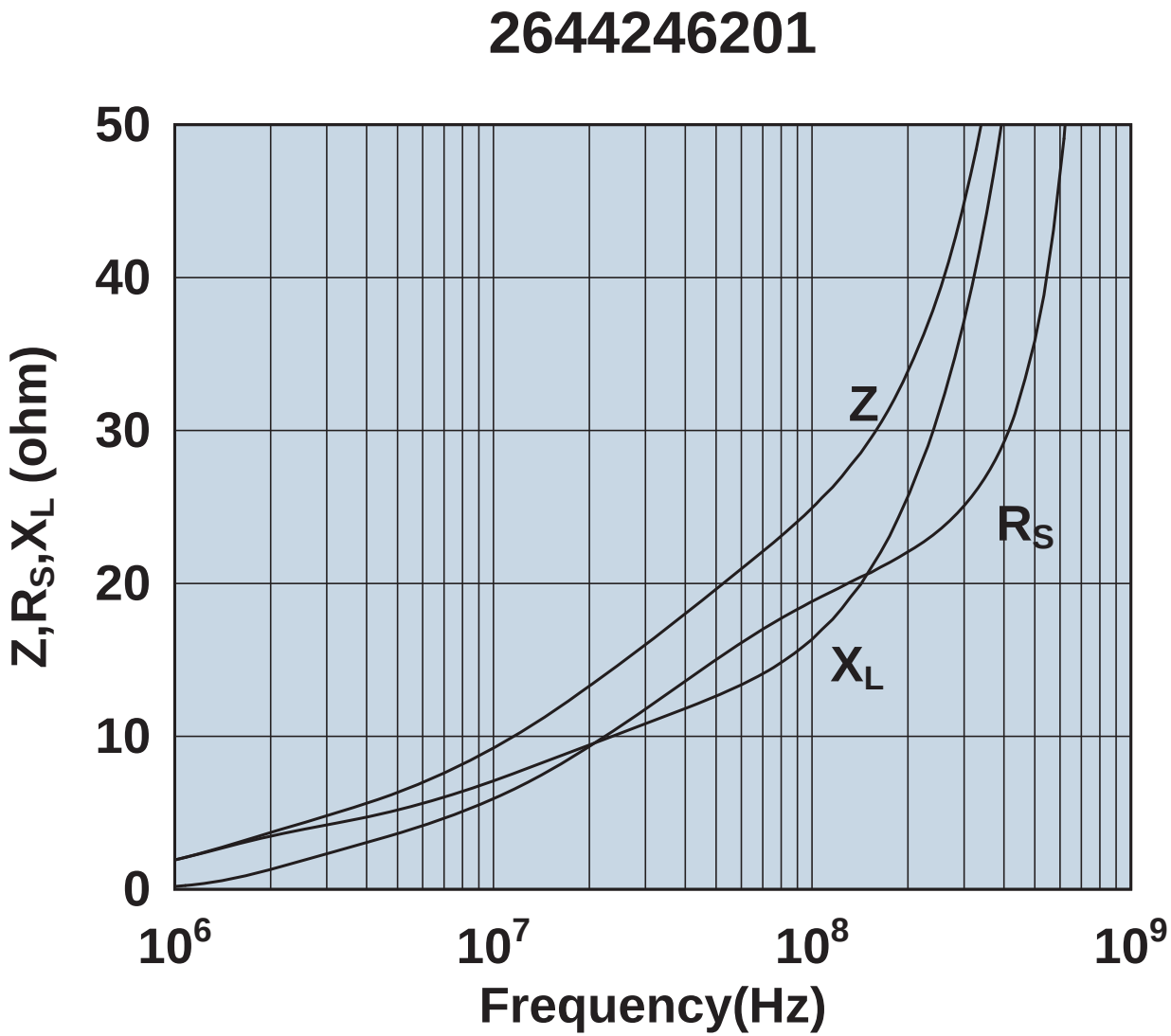


Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

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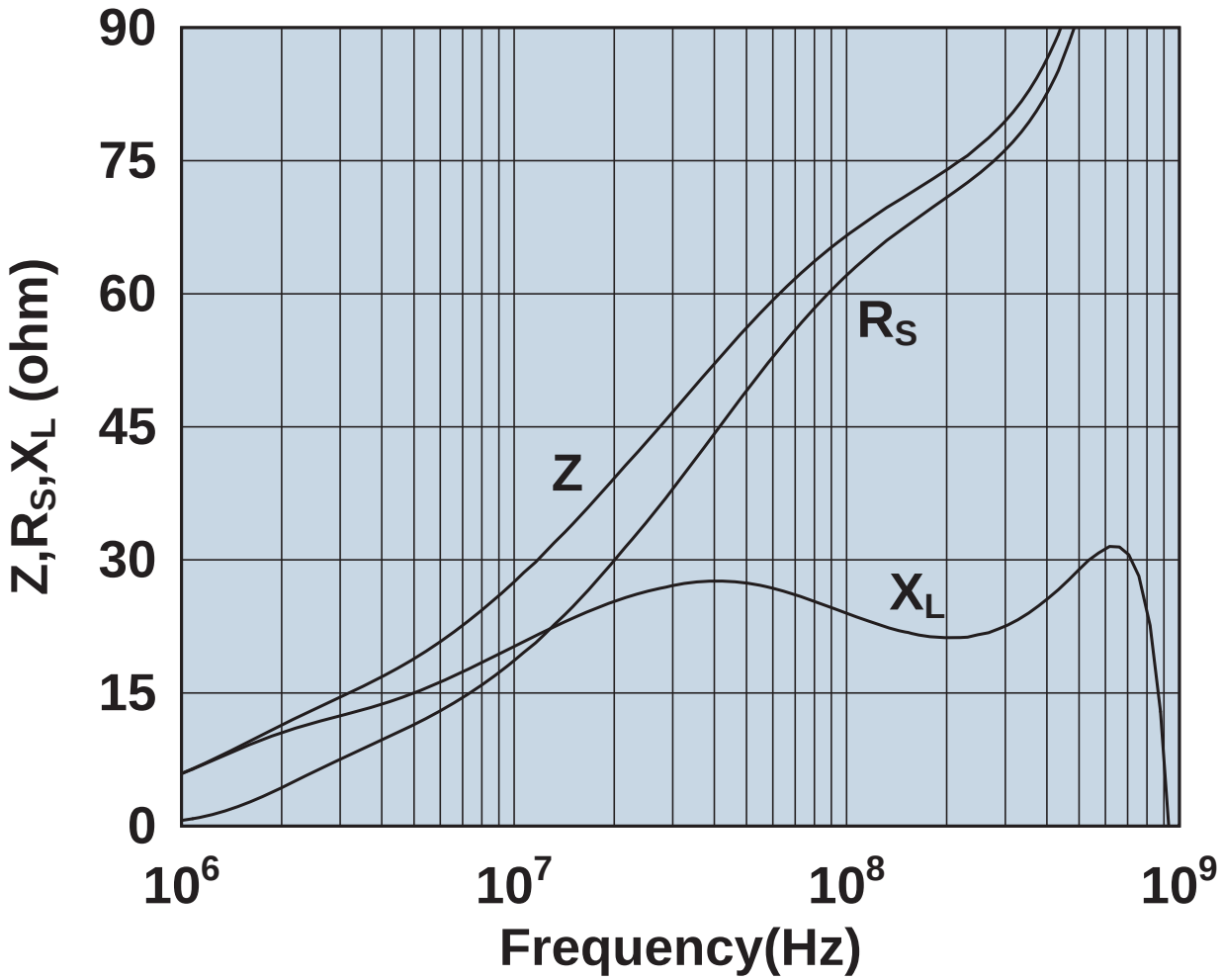

Impedance, reactance, and resistance vs. frequency.

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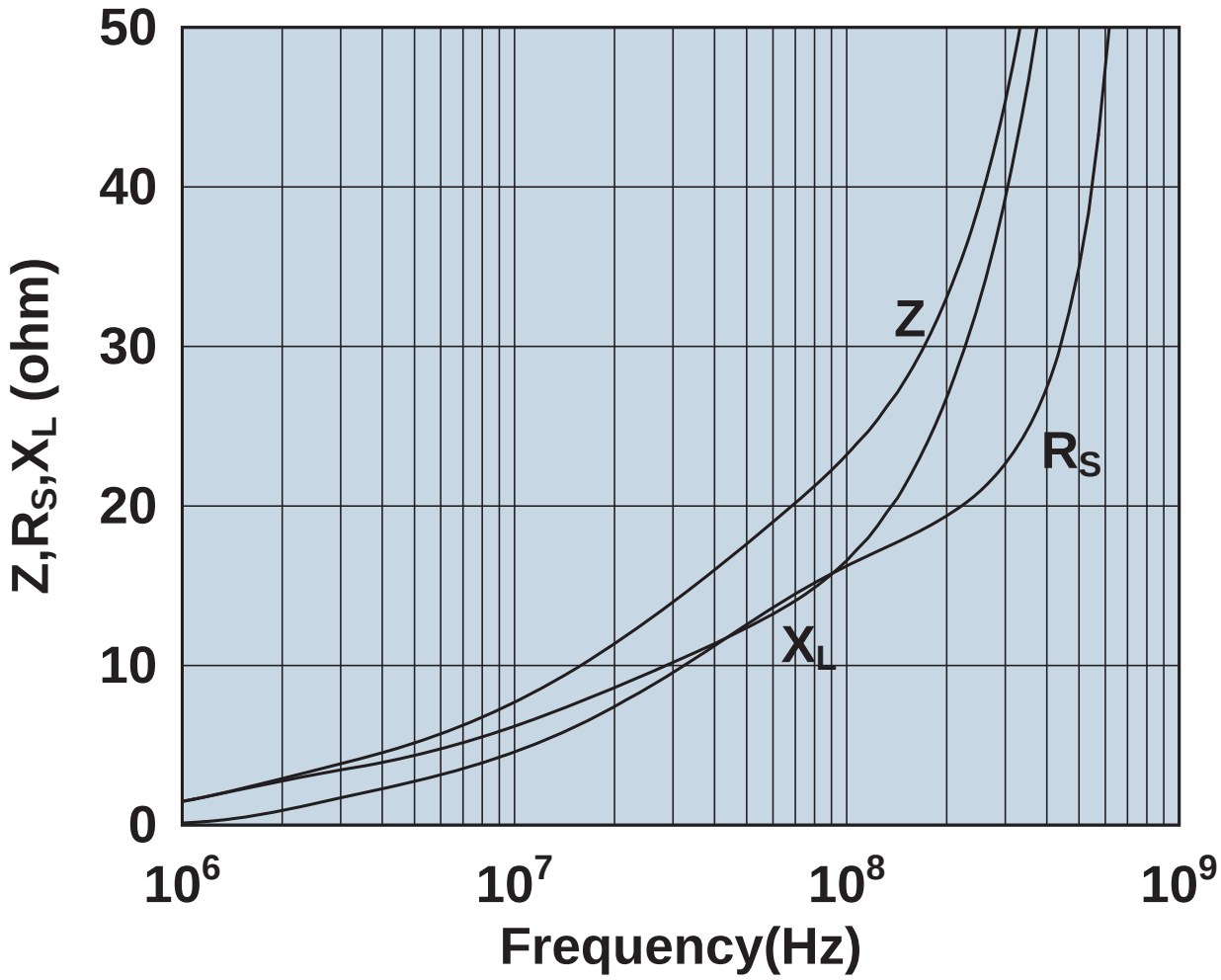

Impedance, reactance, and resistance vs. frequency.

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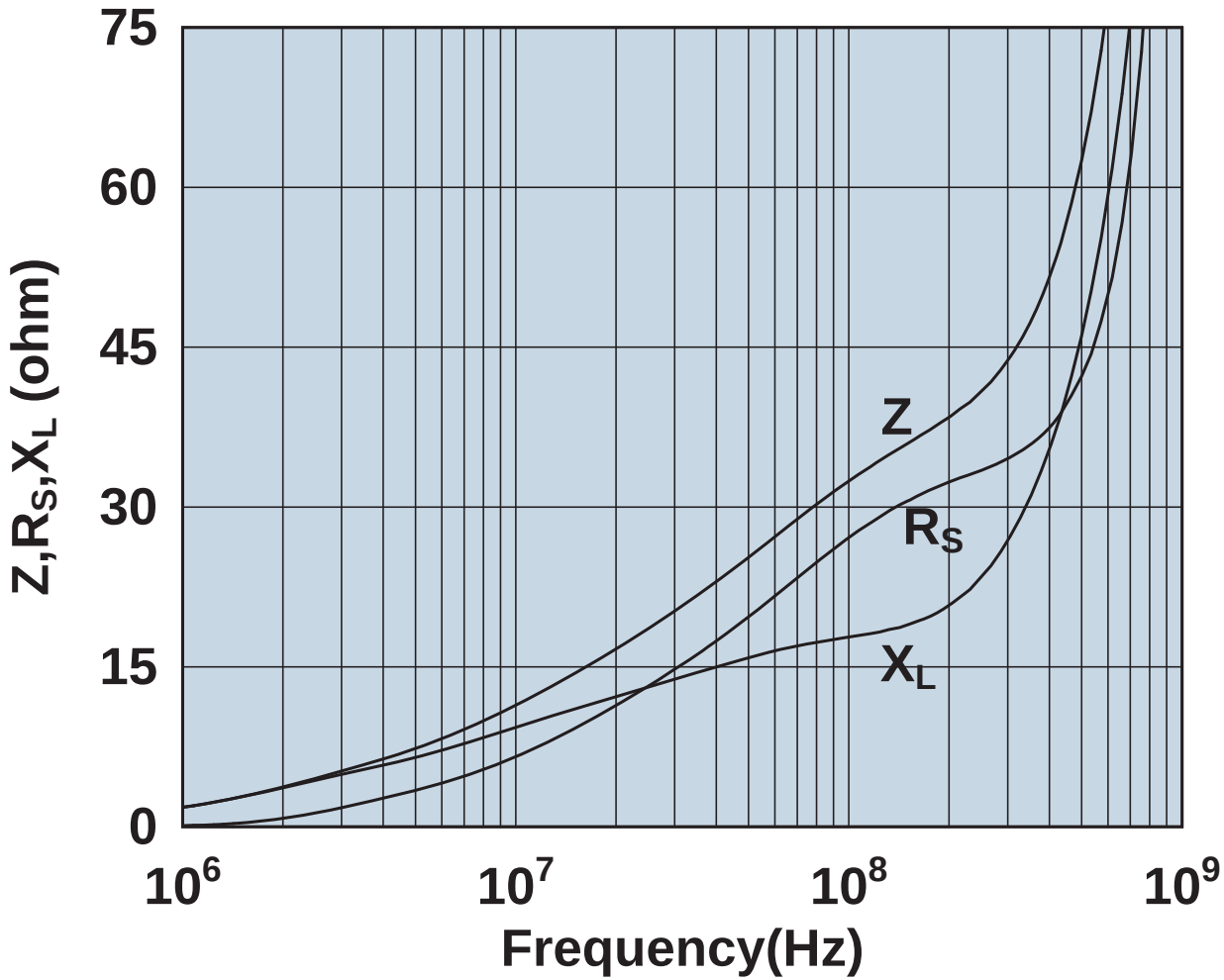

Impedance, reactance, and resistance vs. frequency.

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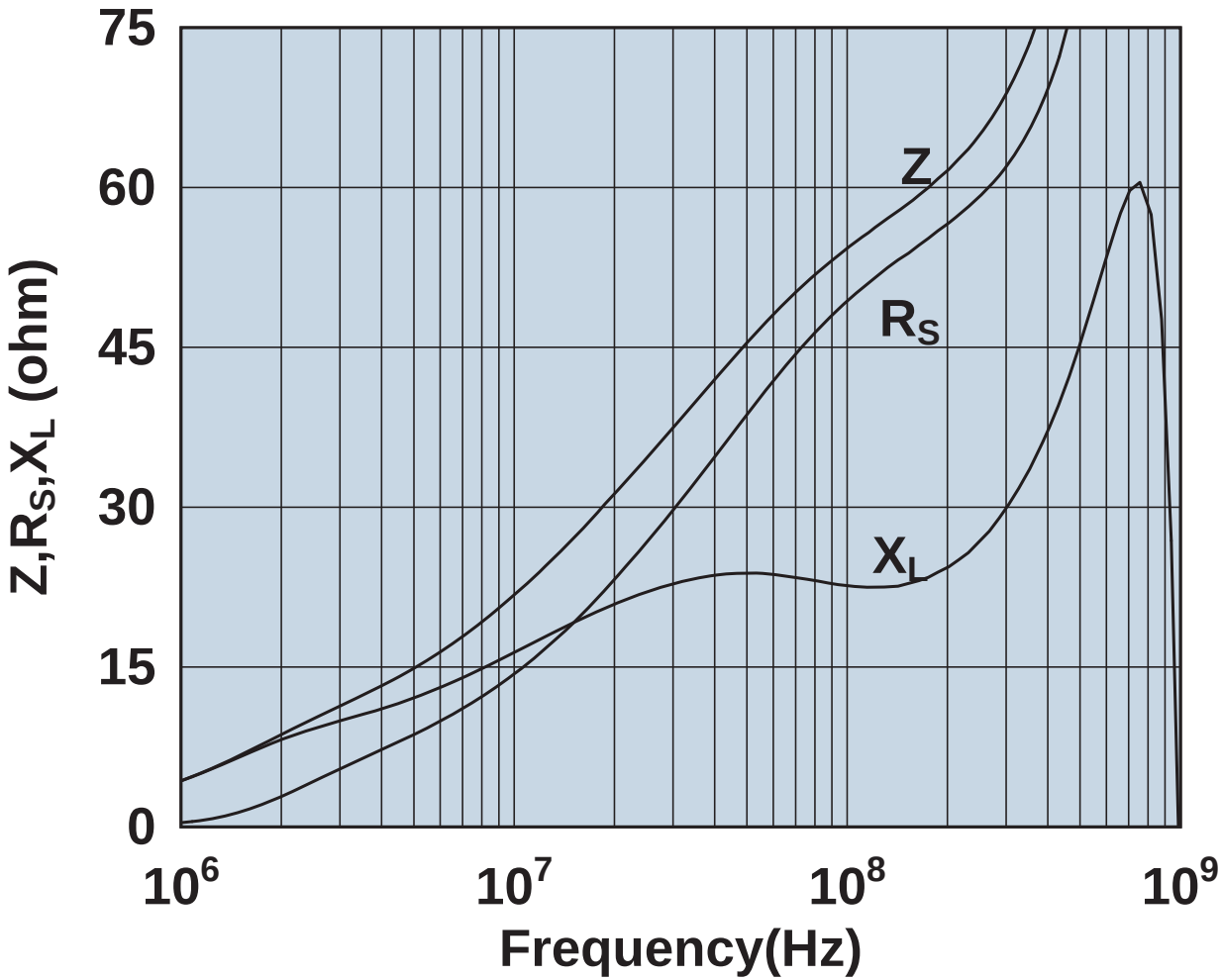

Impedance, reactance, and resistance vs. frequency.

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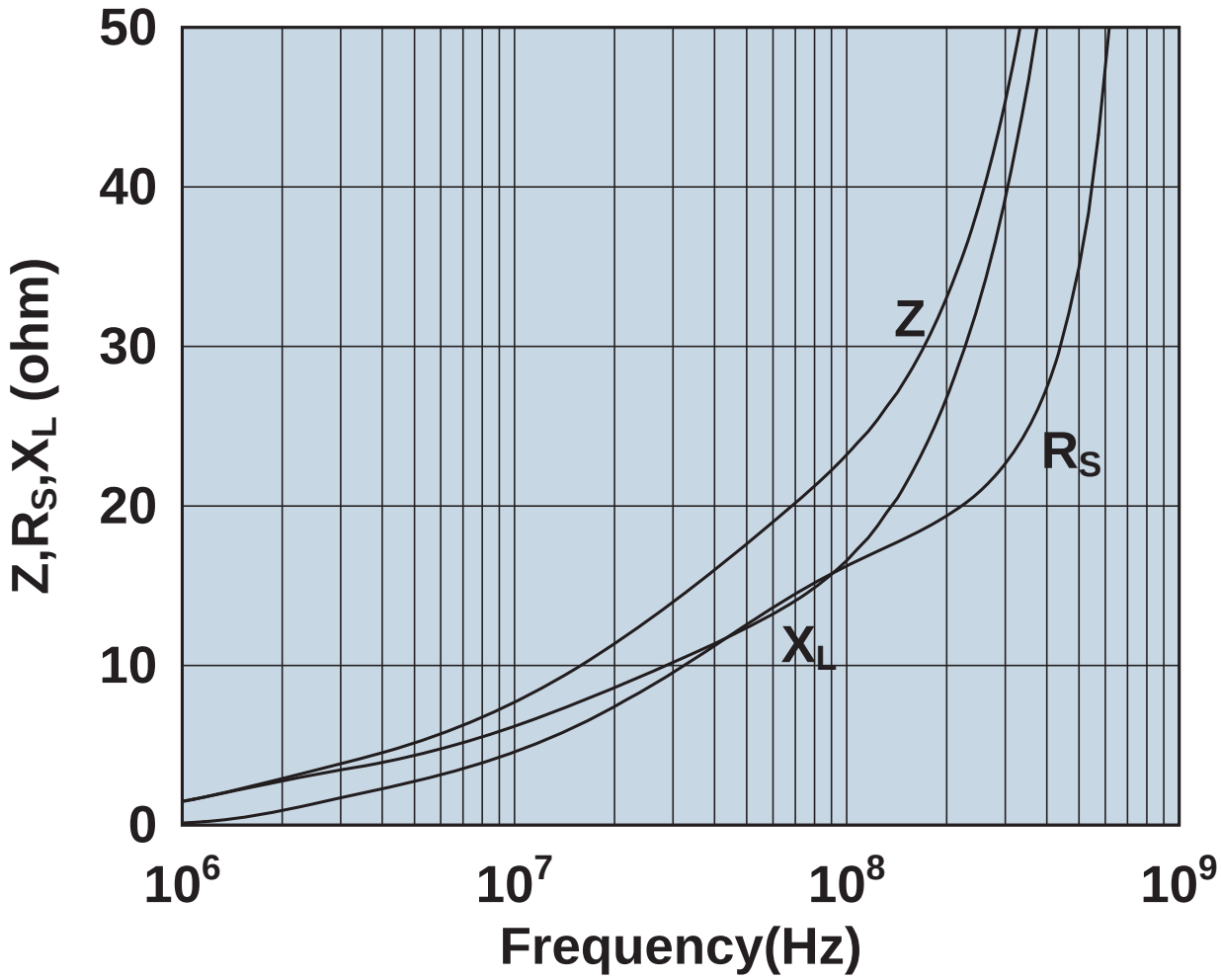

Impedance, reactance, and resistance vs. frequency.

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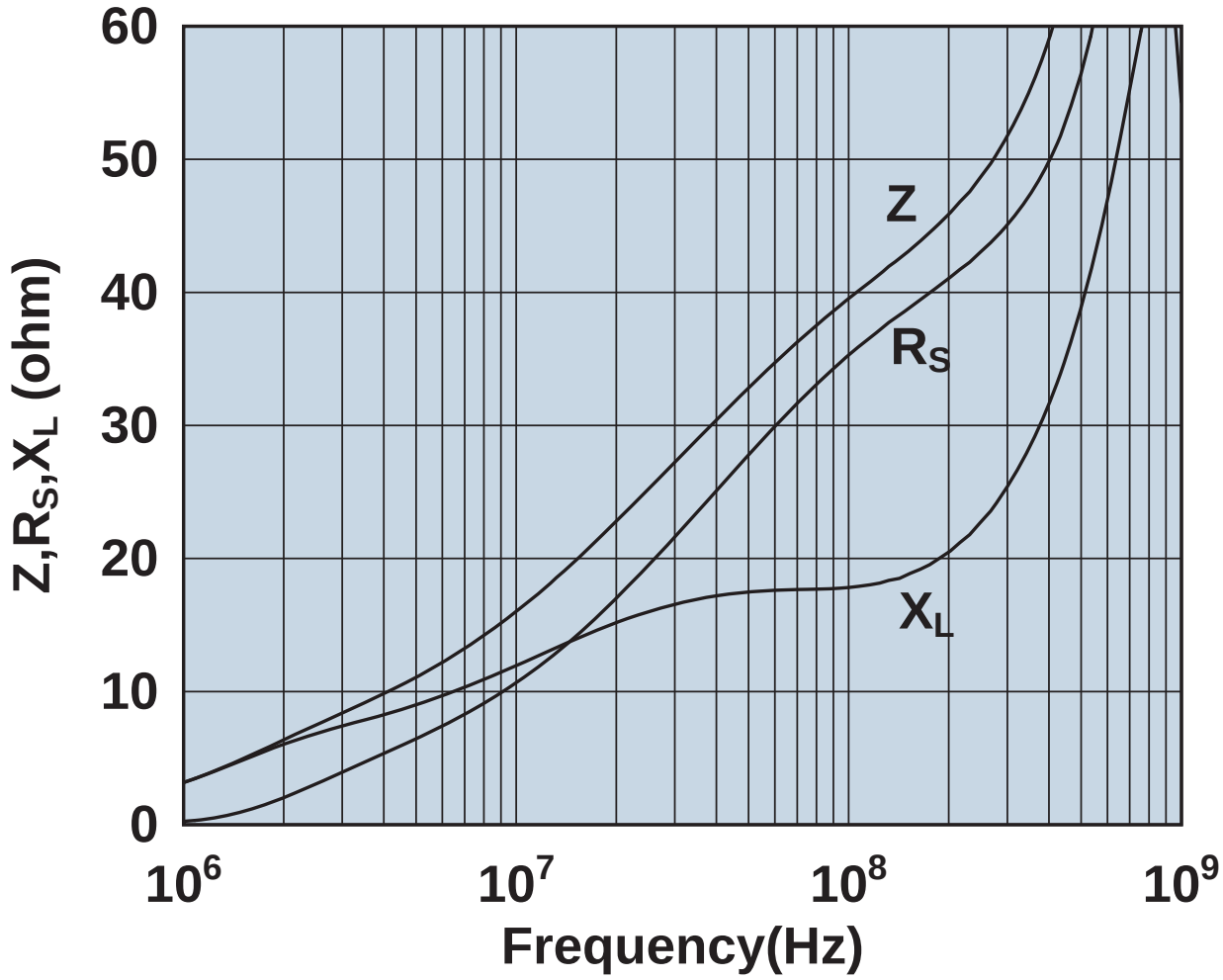
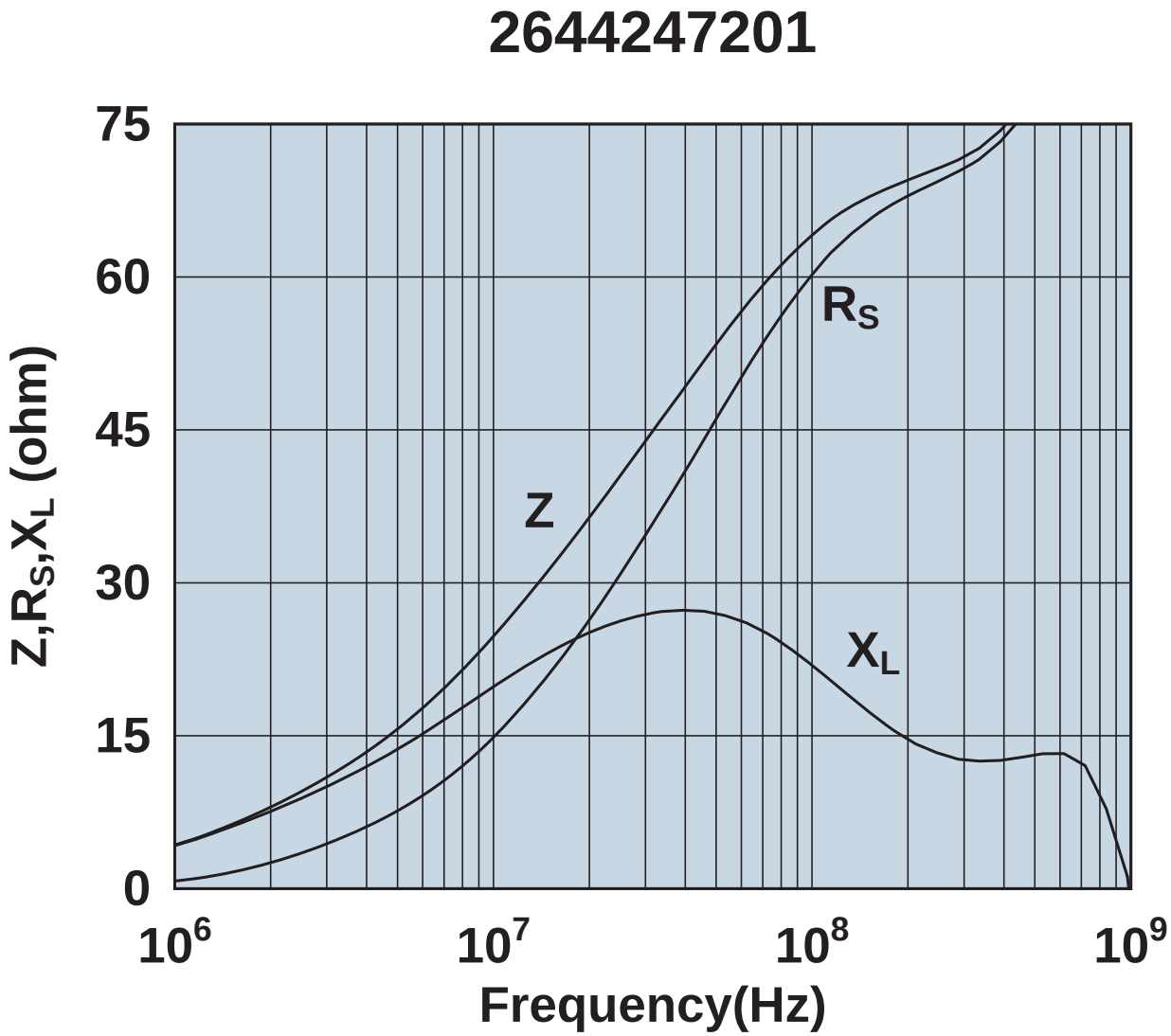


Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.



Impedance, reactance, and resistance vs. frequency.

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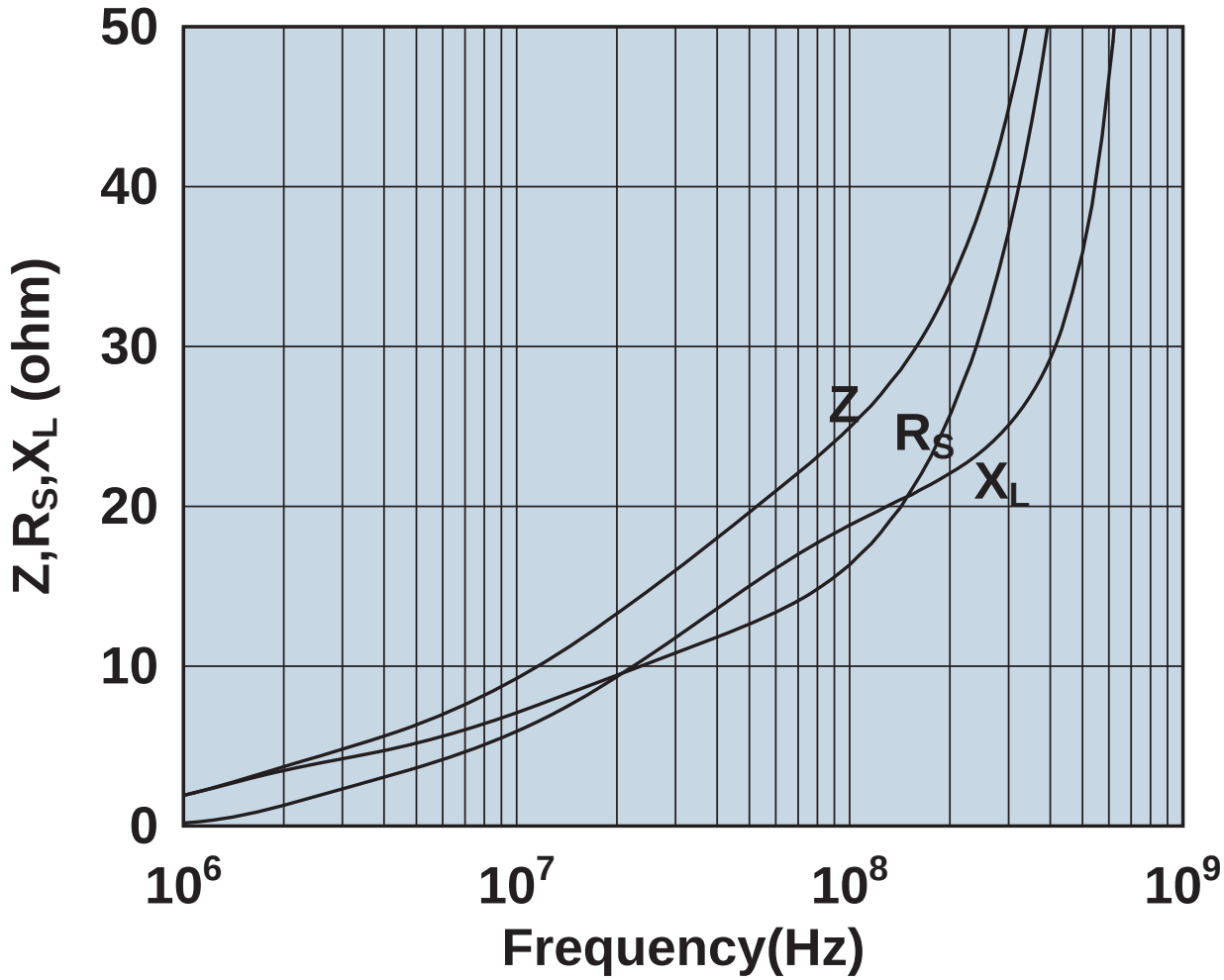

Impedance, reactance, and resistance vs. frequency.

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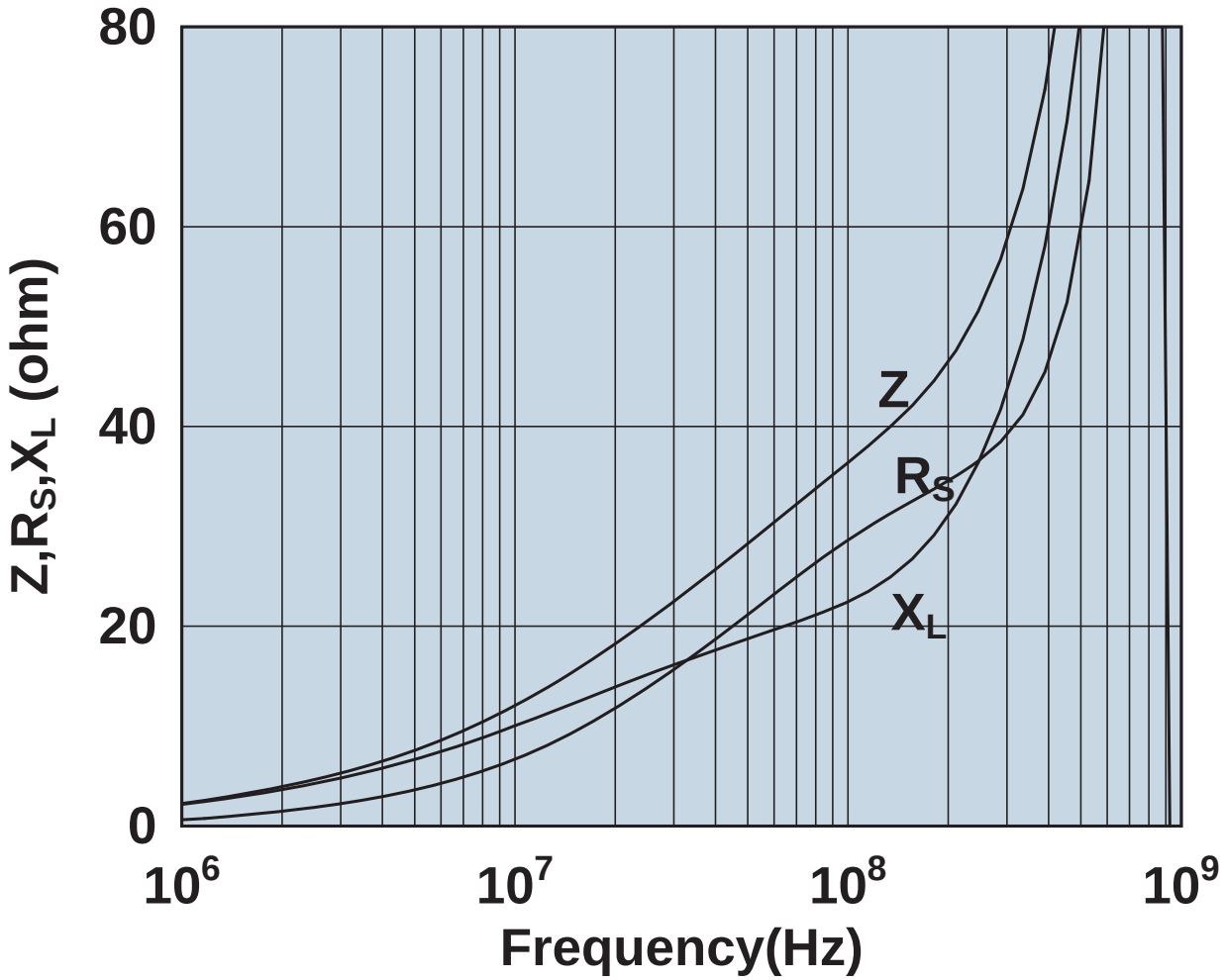
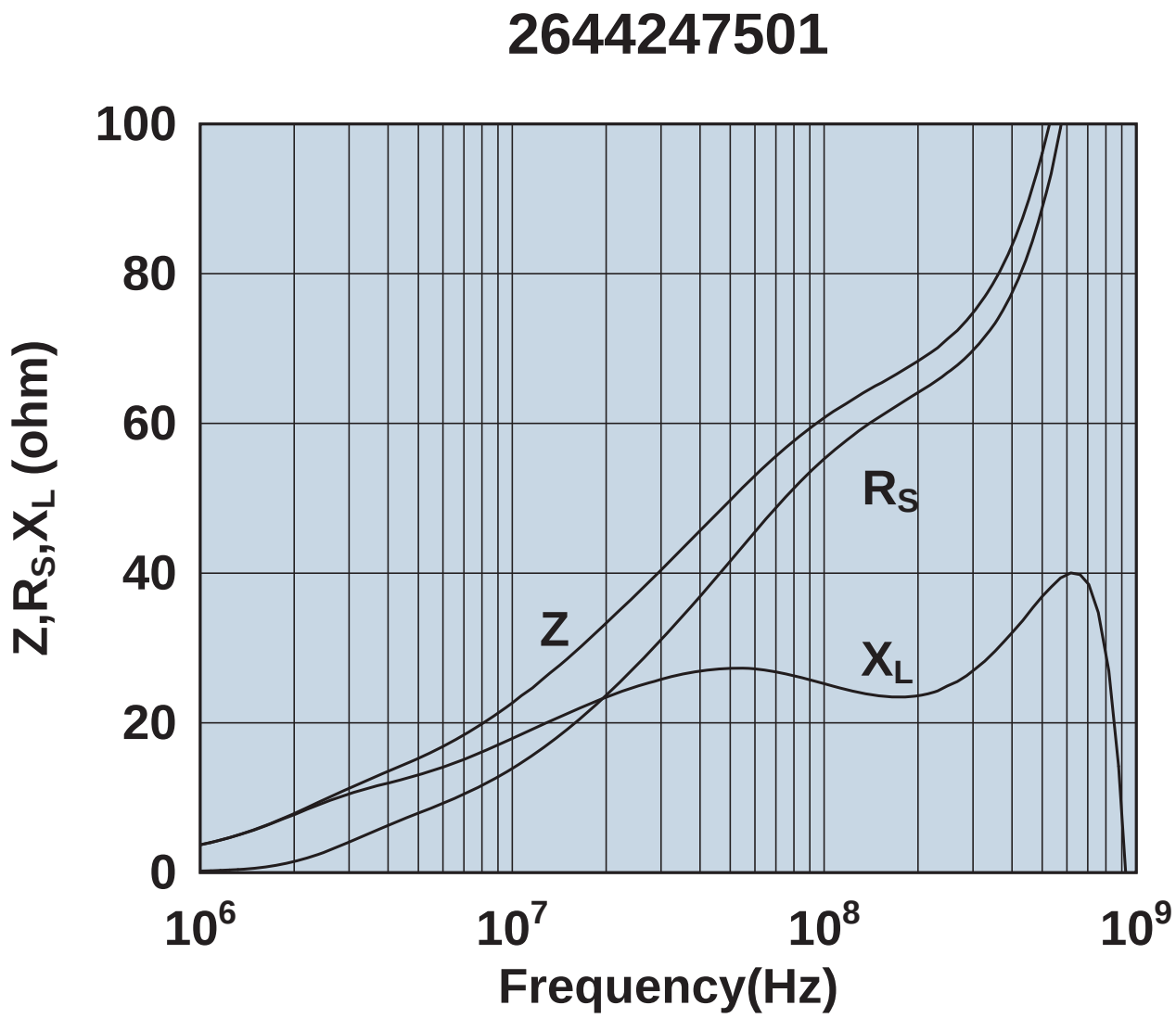
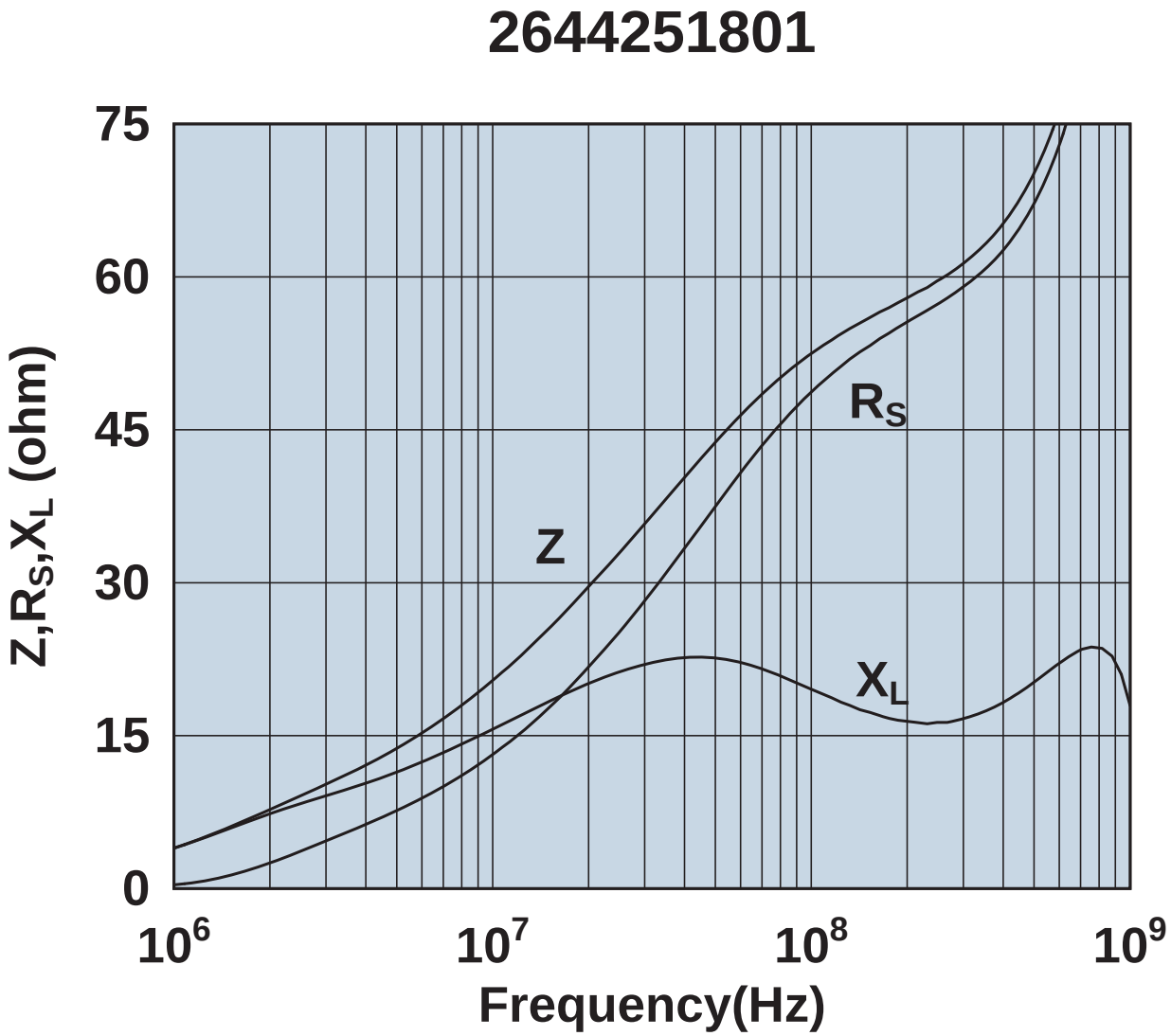


Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

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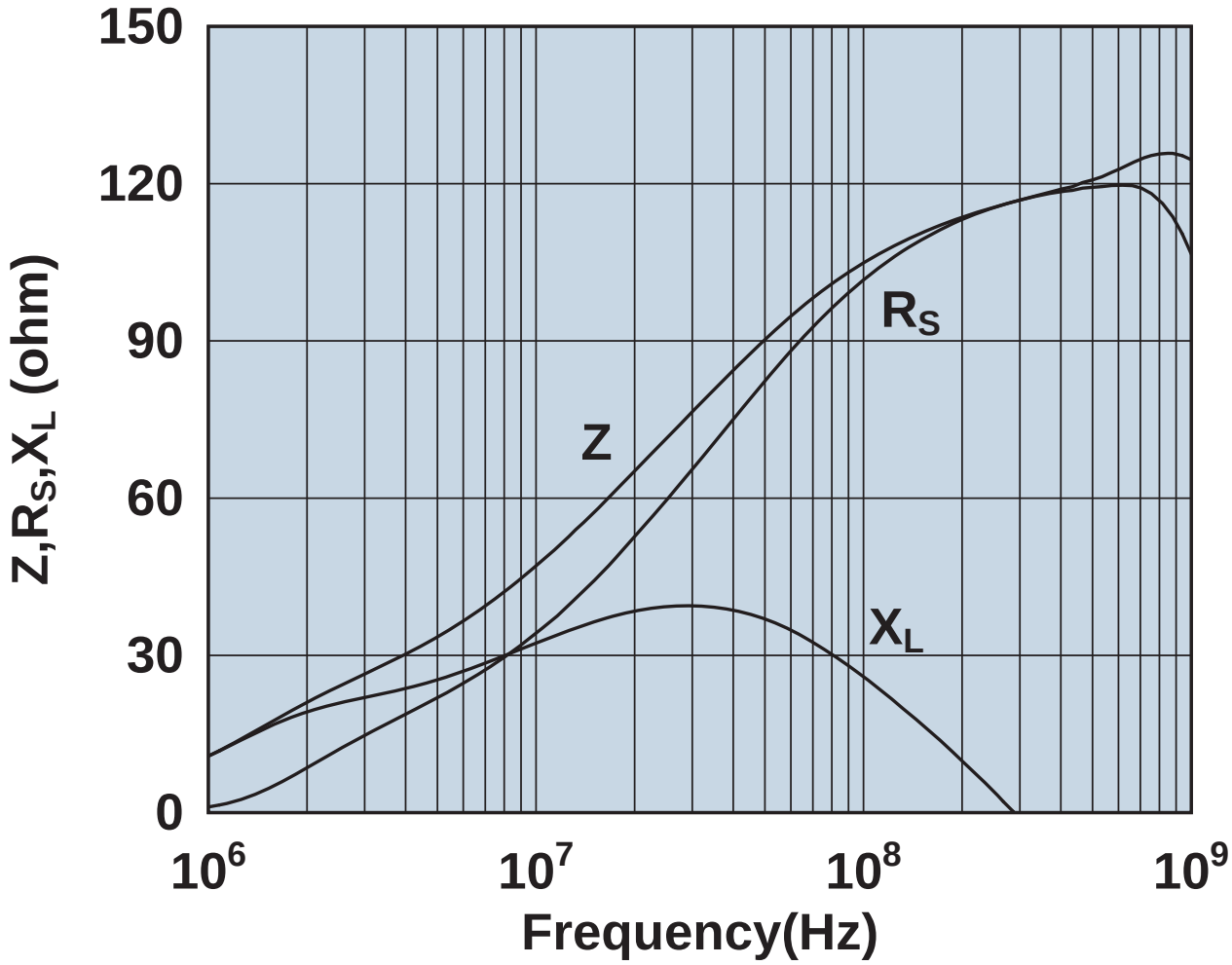

Impedance, reactance, and resistance vs. frequency.

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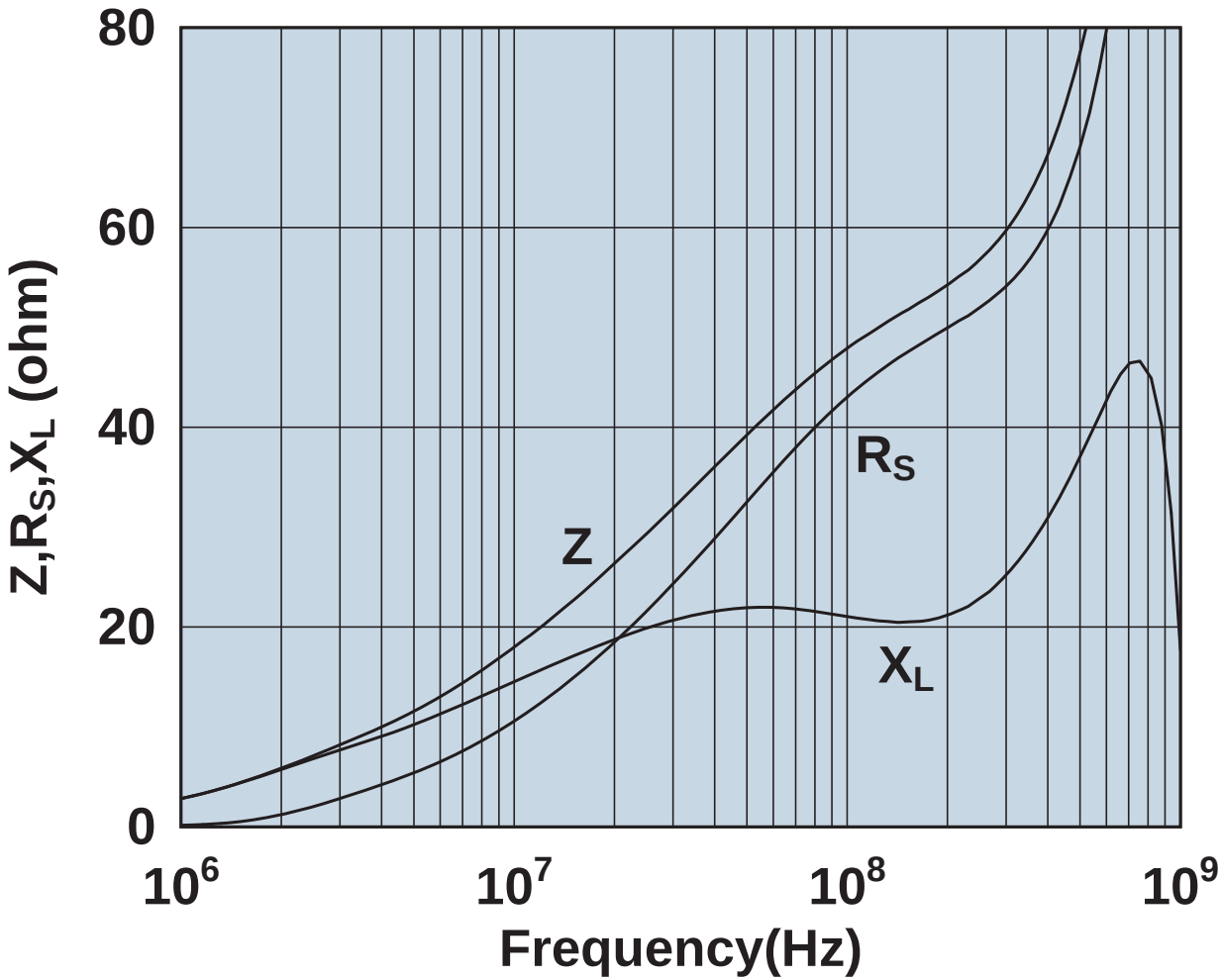

Impedance, reactance, and resistance vs. frequency.

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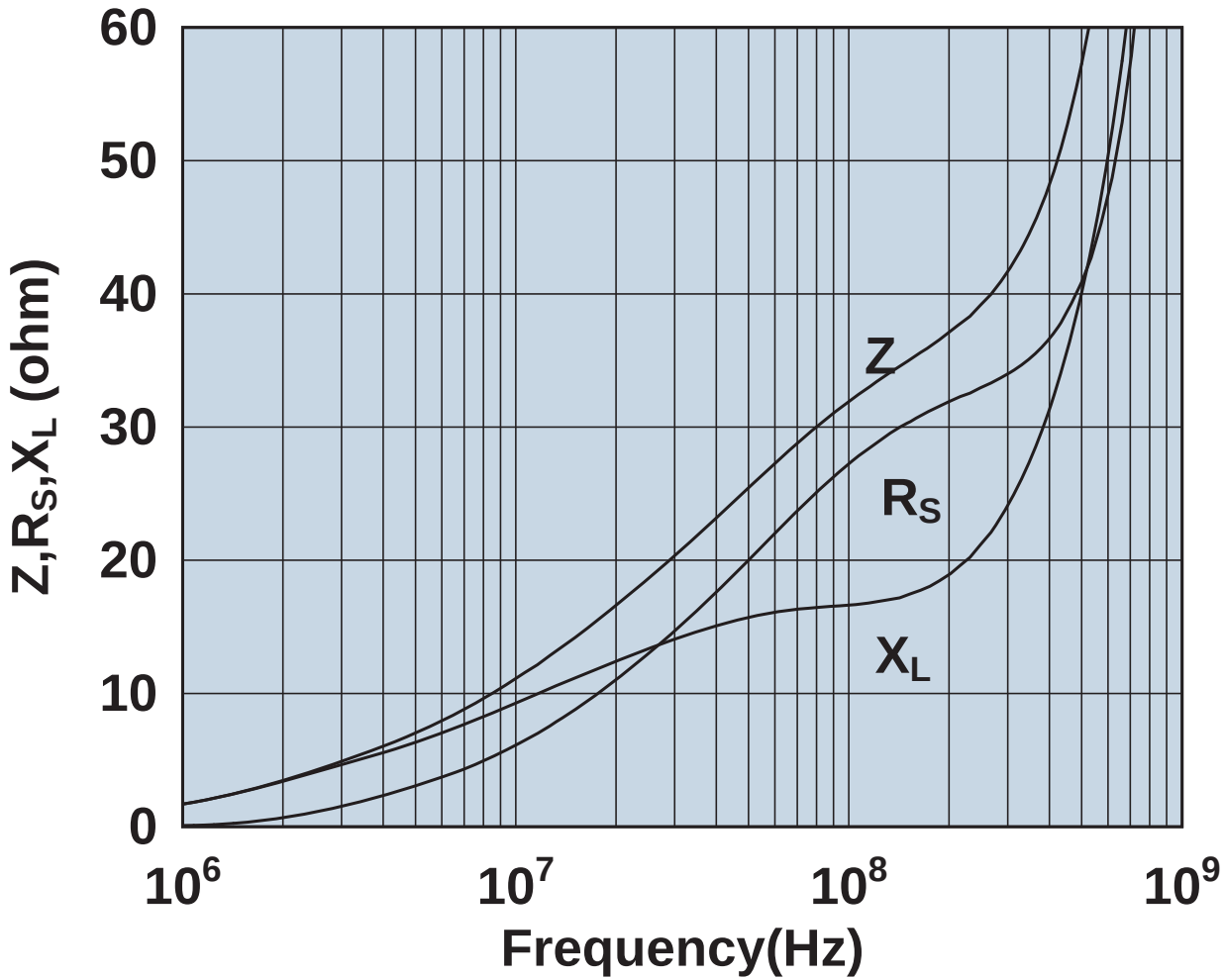

Impedance, reactance, and resistance vs. frequency.

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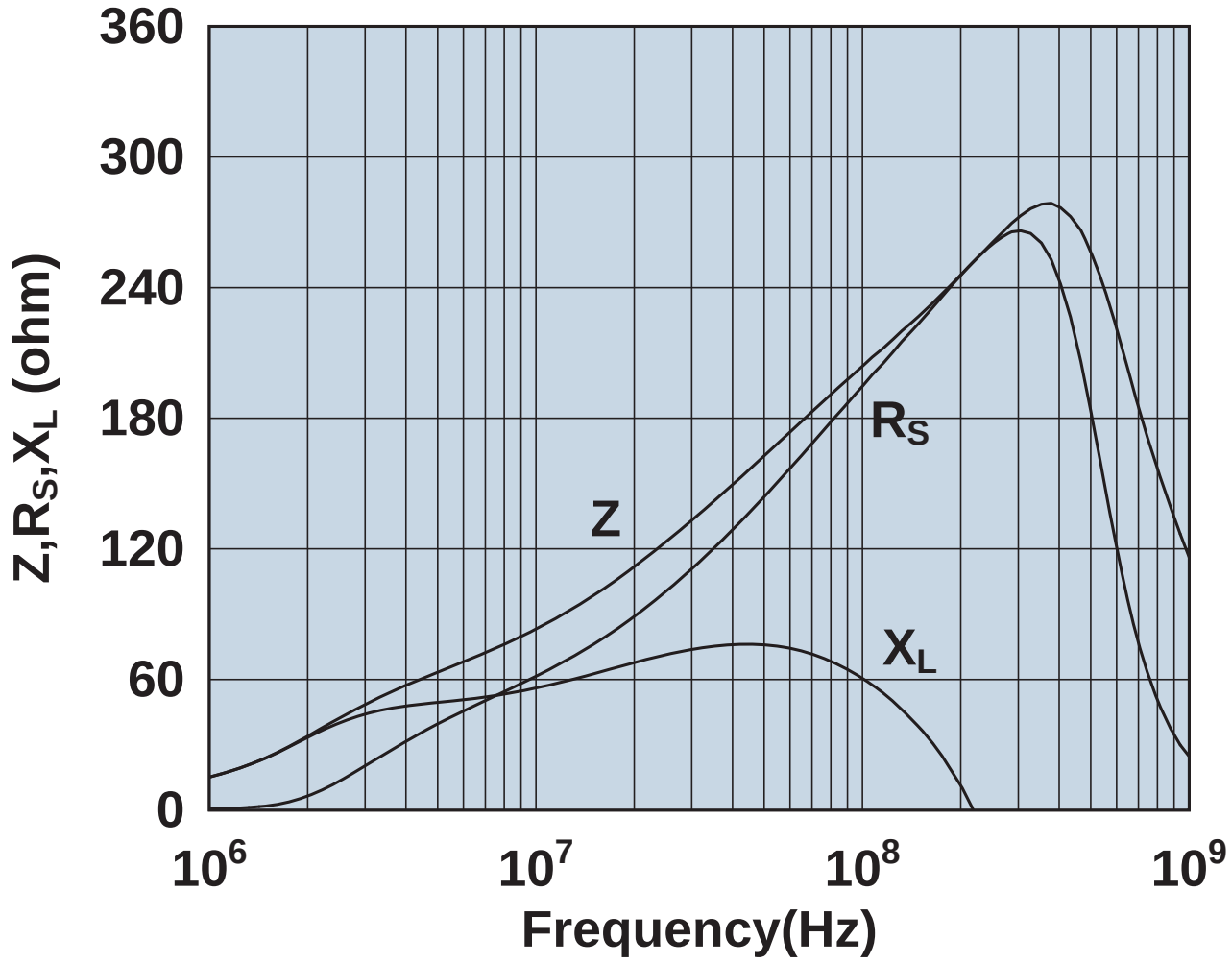
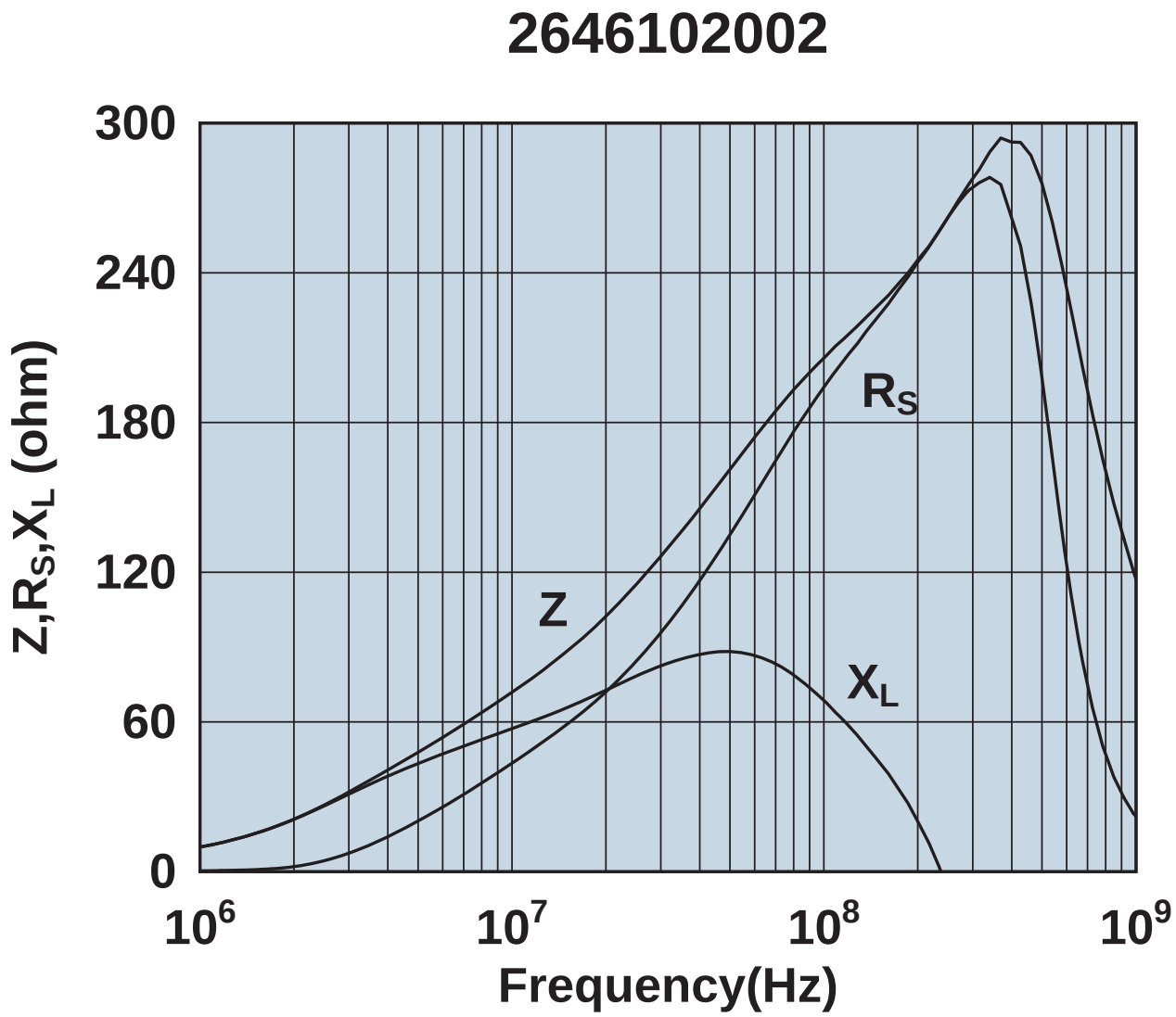


Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

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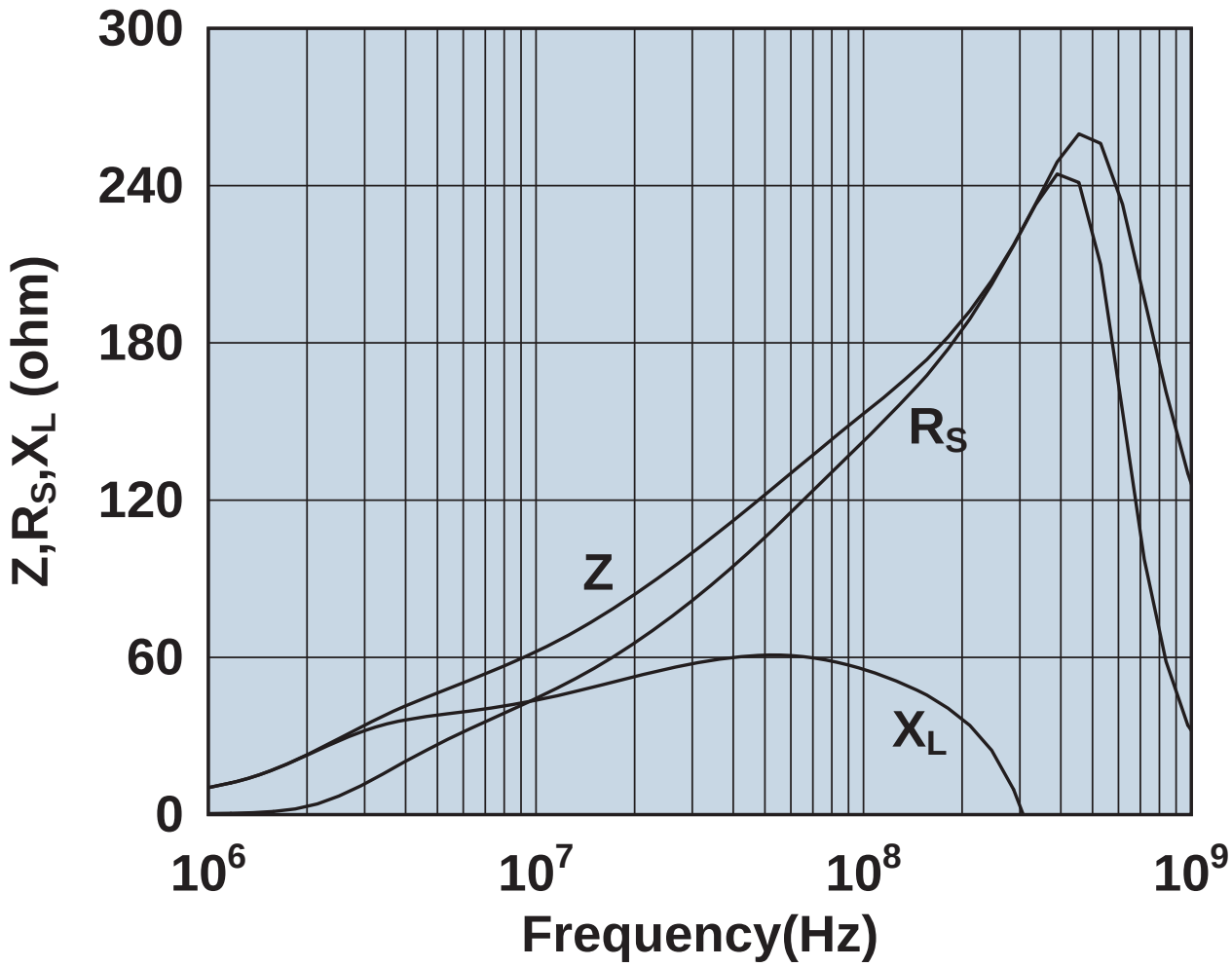

Impedance, reactance, and resistance vs. frequency.

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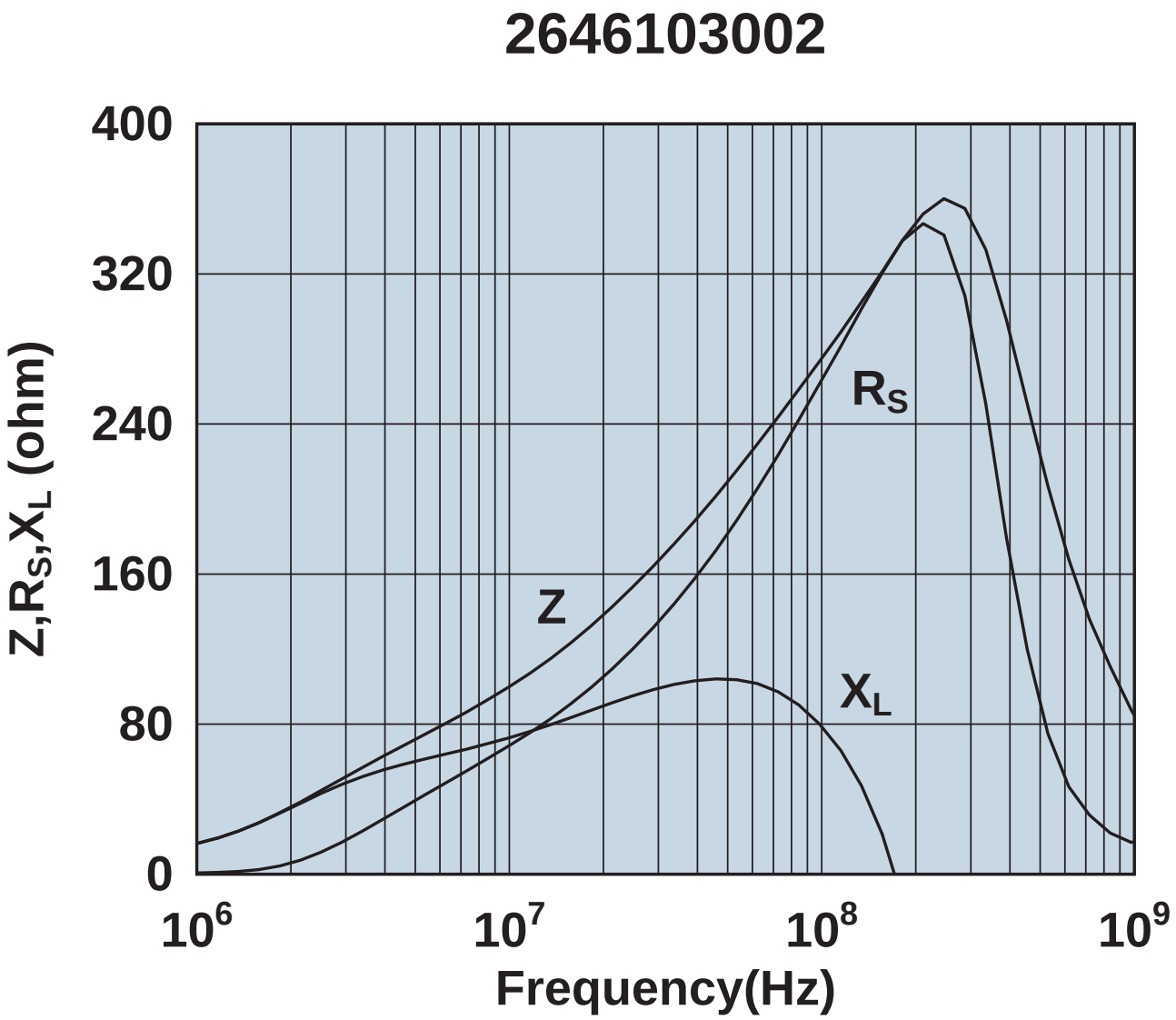
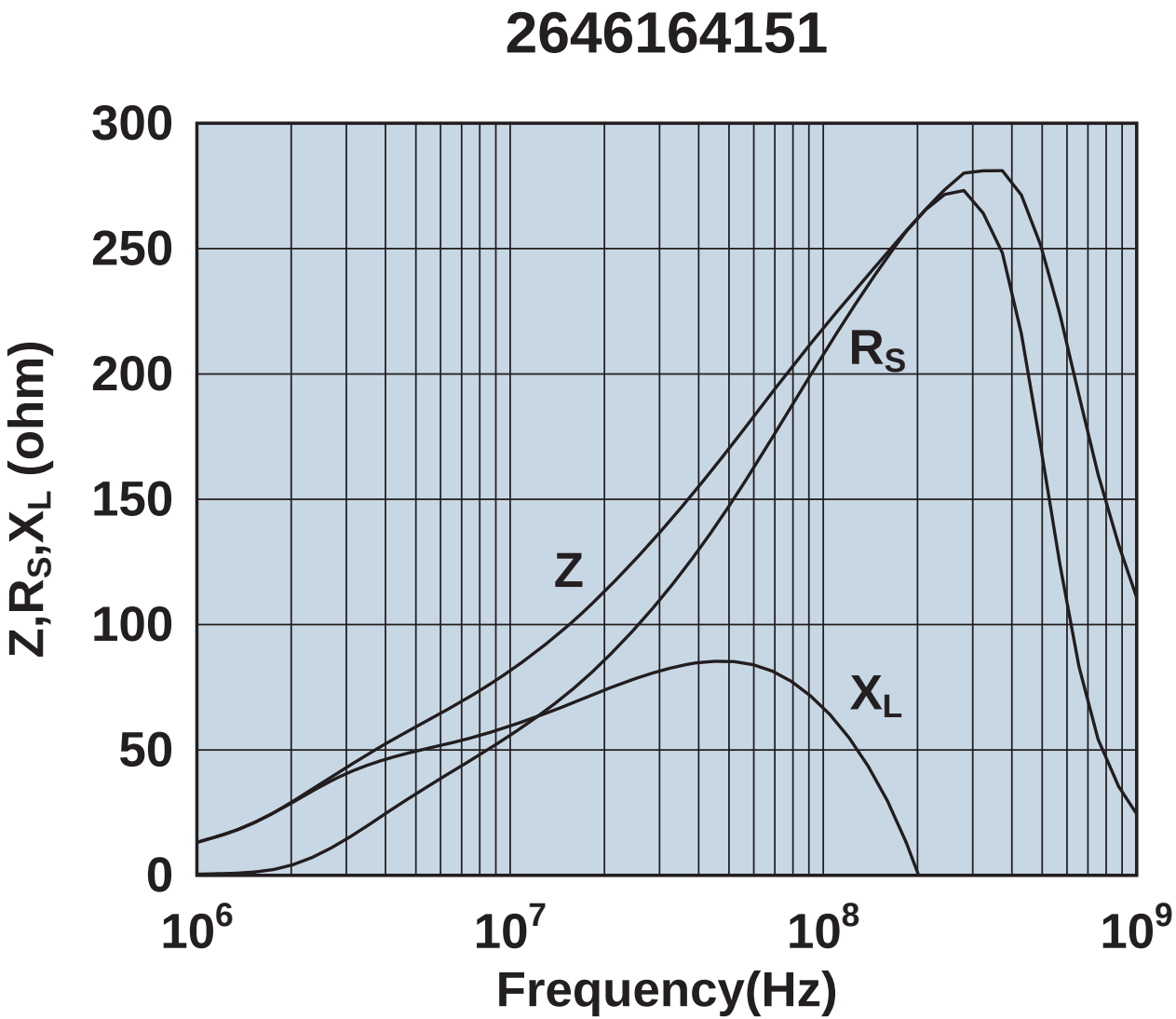
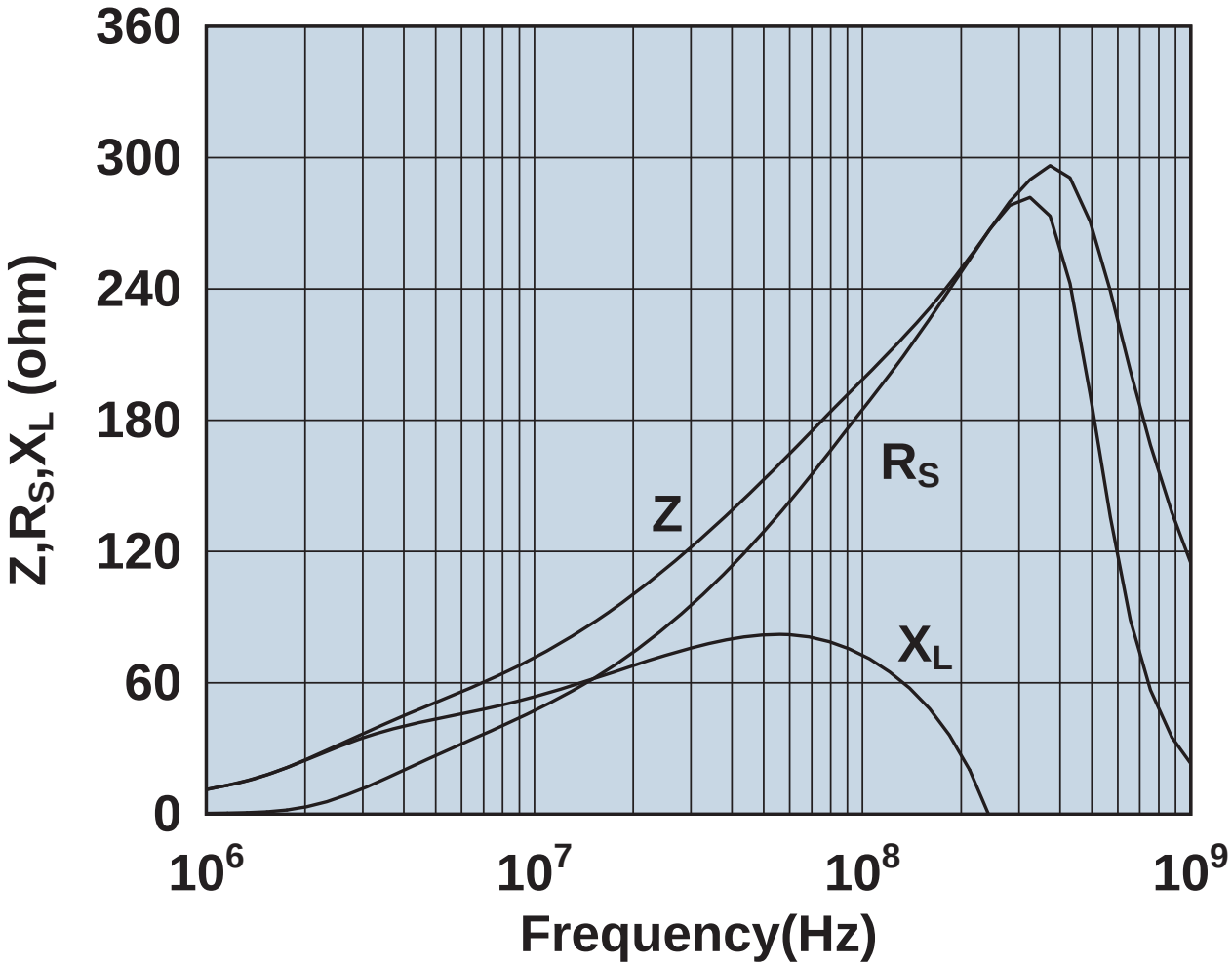


Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

2646164181



Impedance, reactance, and resistance vs. frequency.

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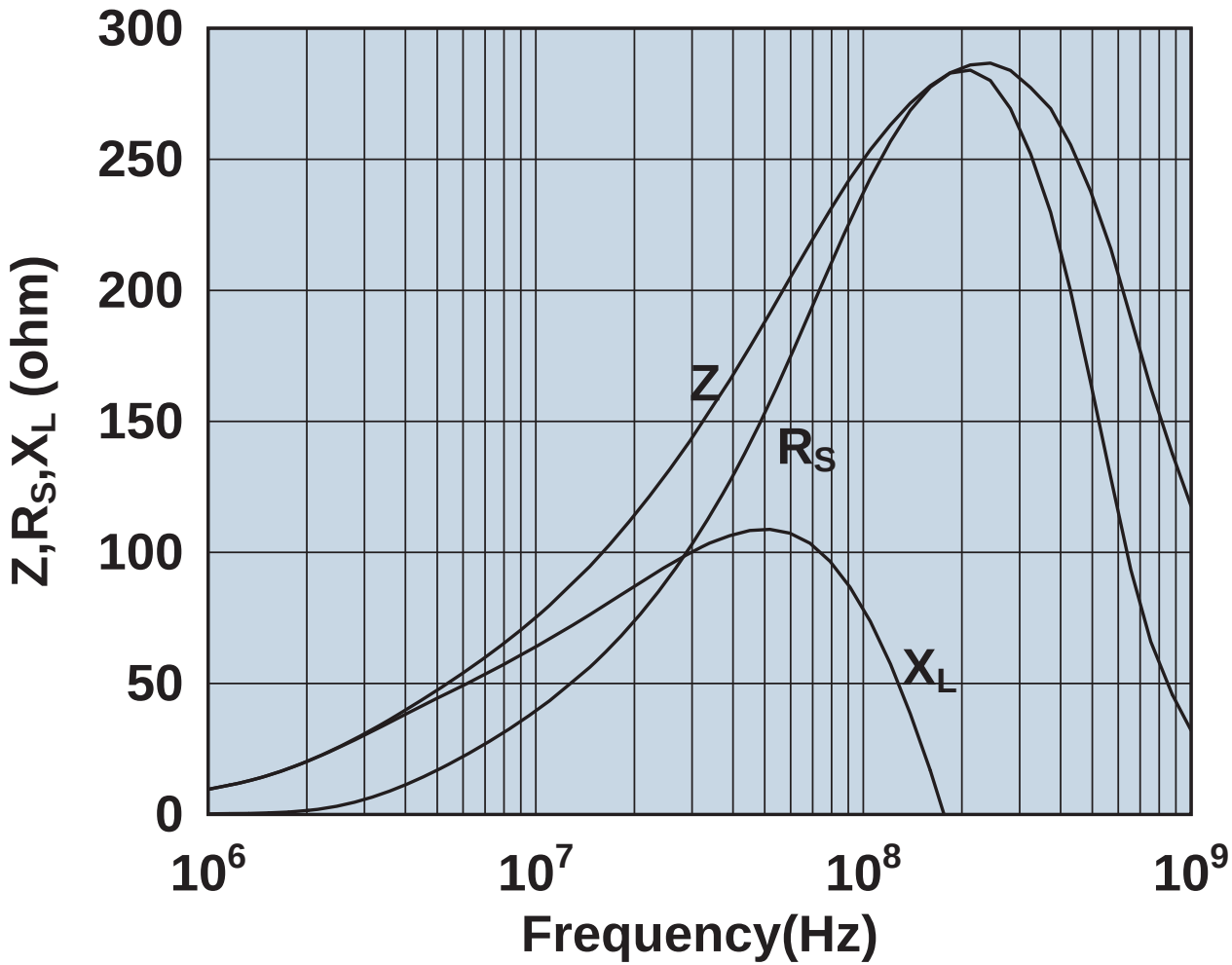
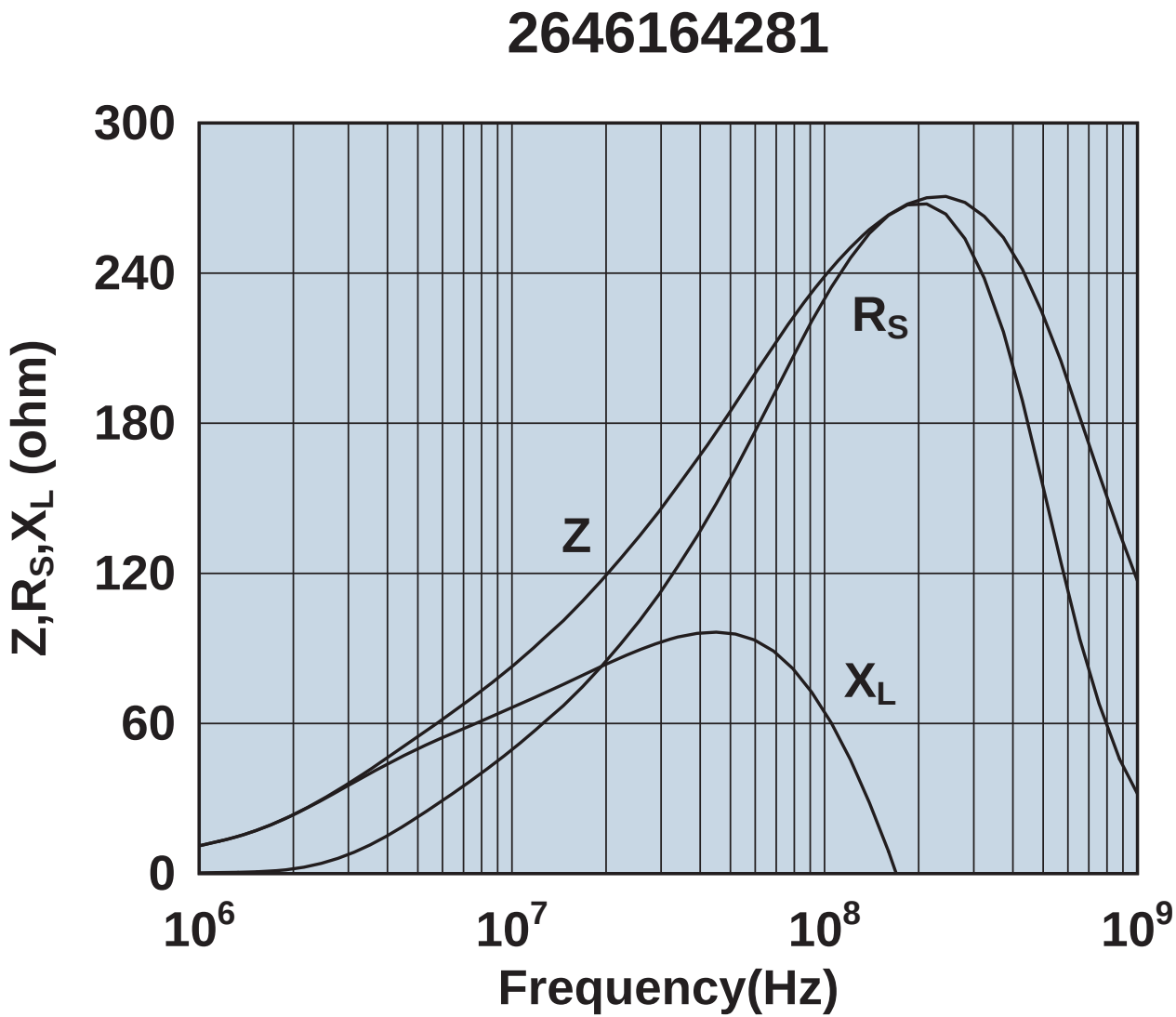


Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

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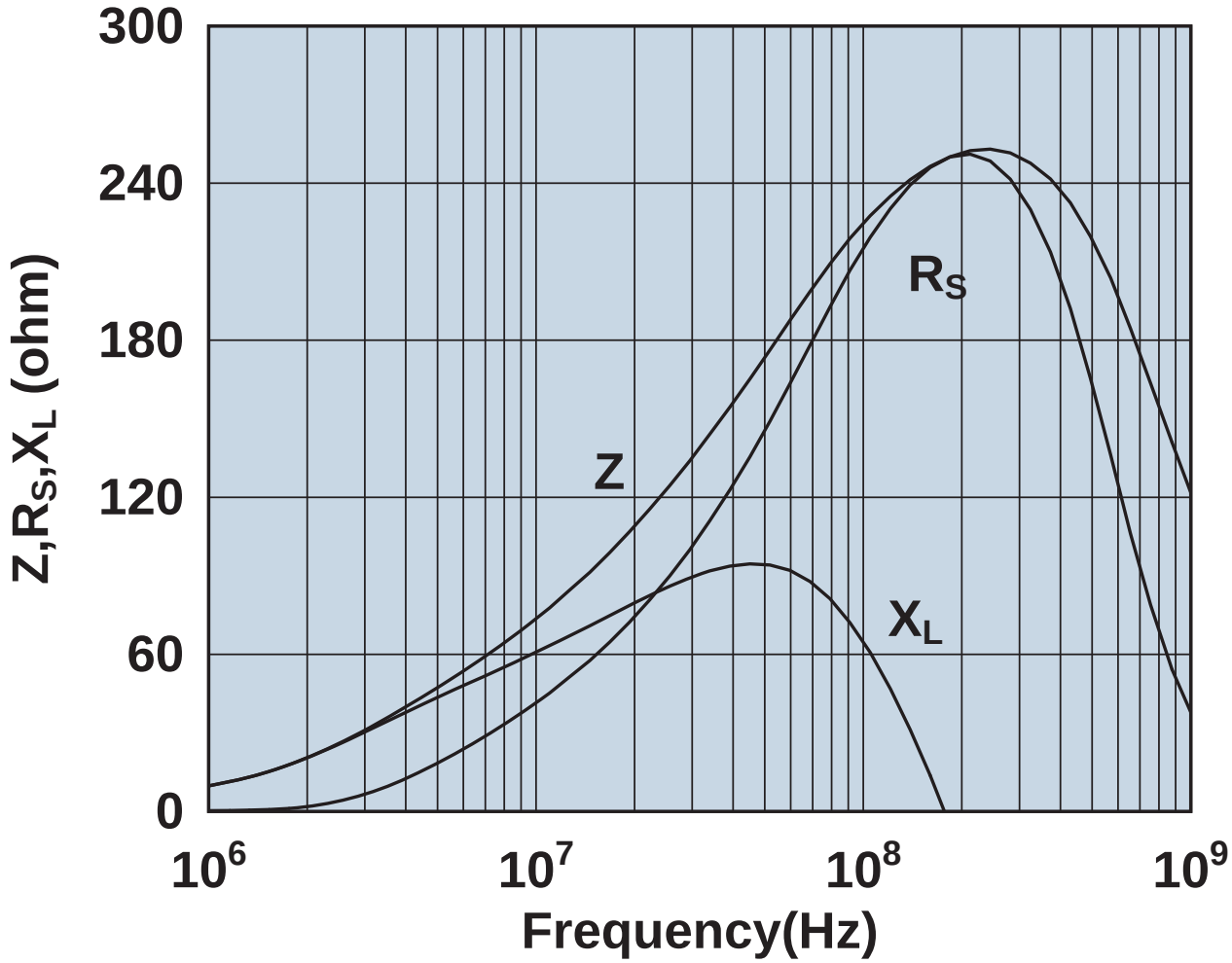

Impedance, reactance, and resistance vs. frequency.

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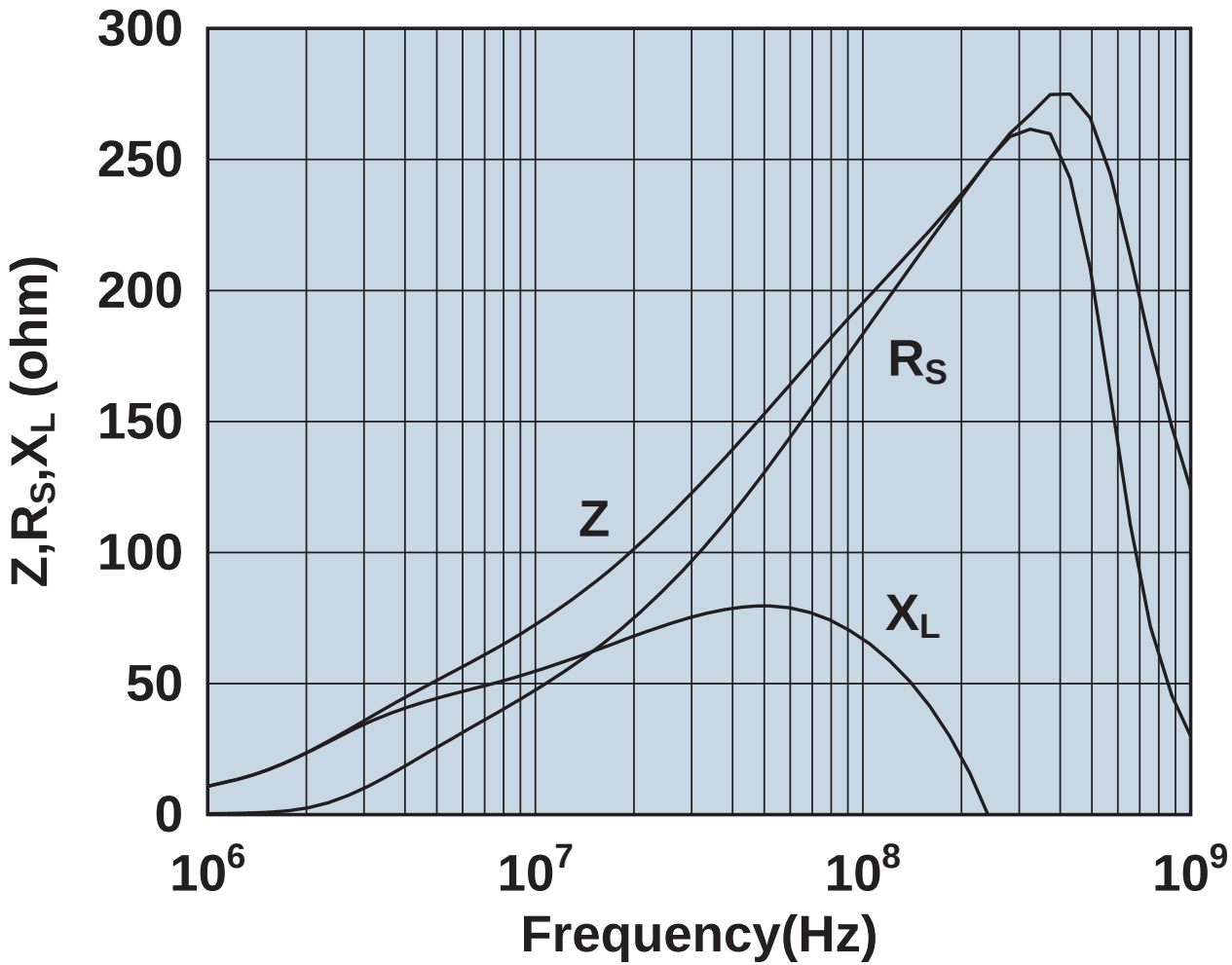
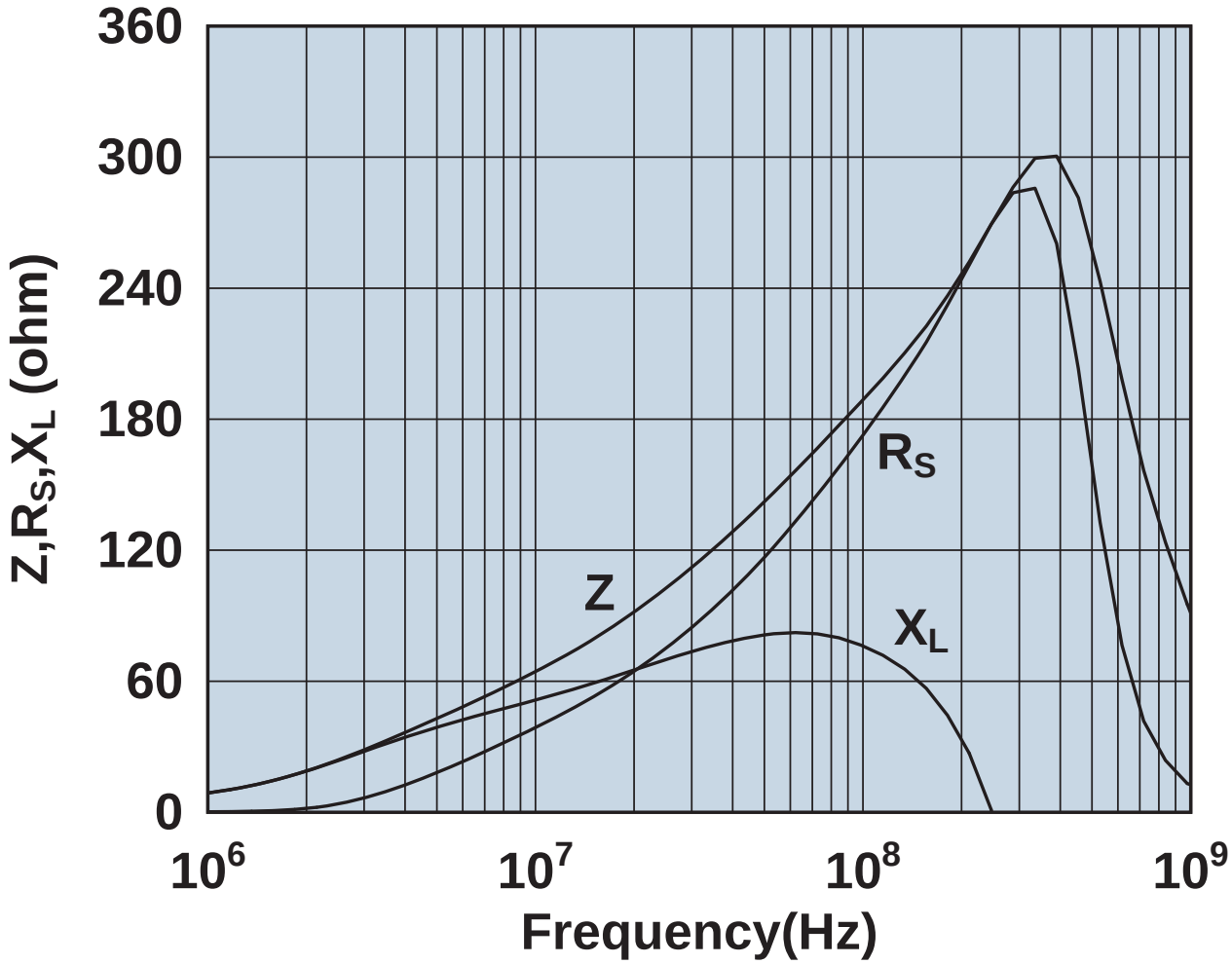


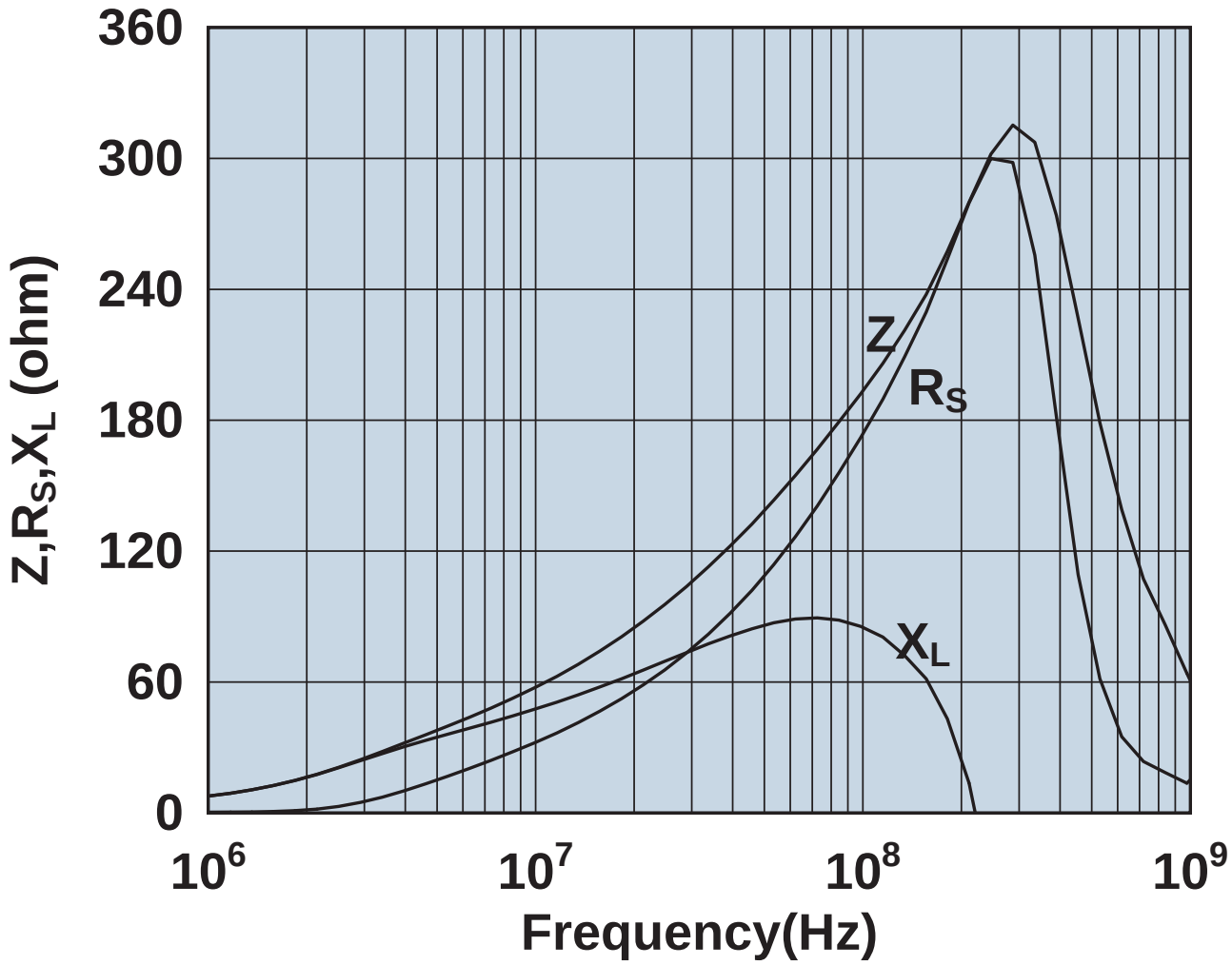
Impedance, reactance, and resistance vs. frequency.

2646167281



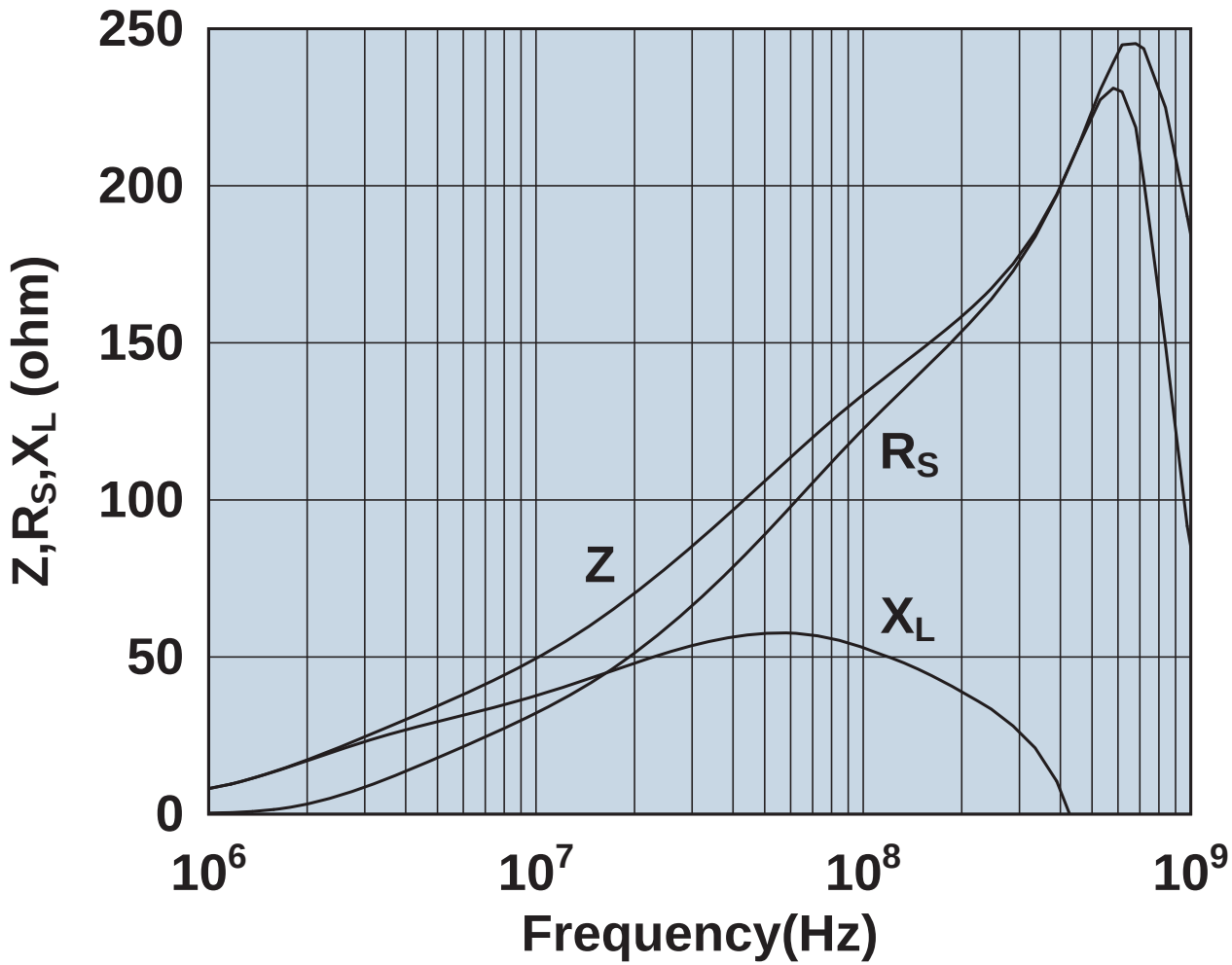
Impedance, reactance, and resistance vs. frequency.

2646173551



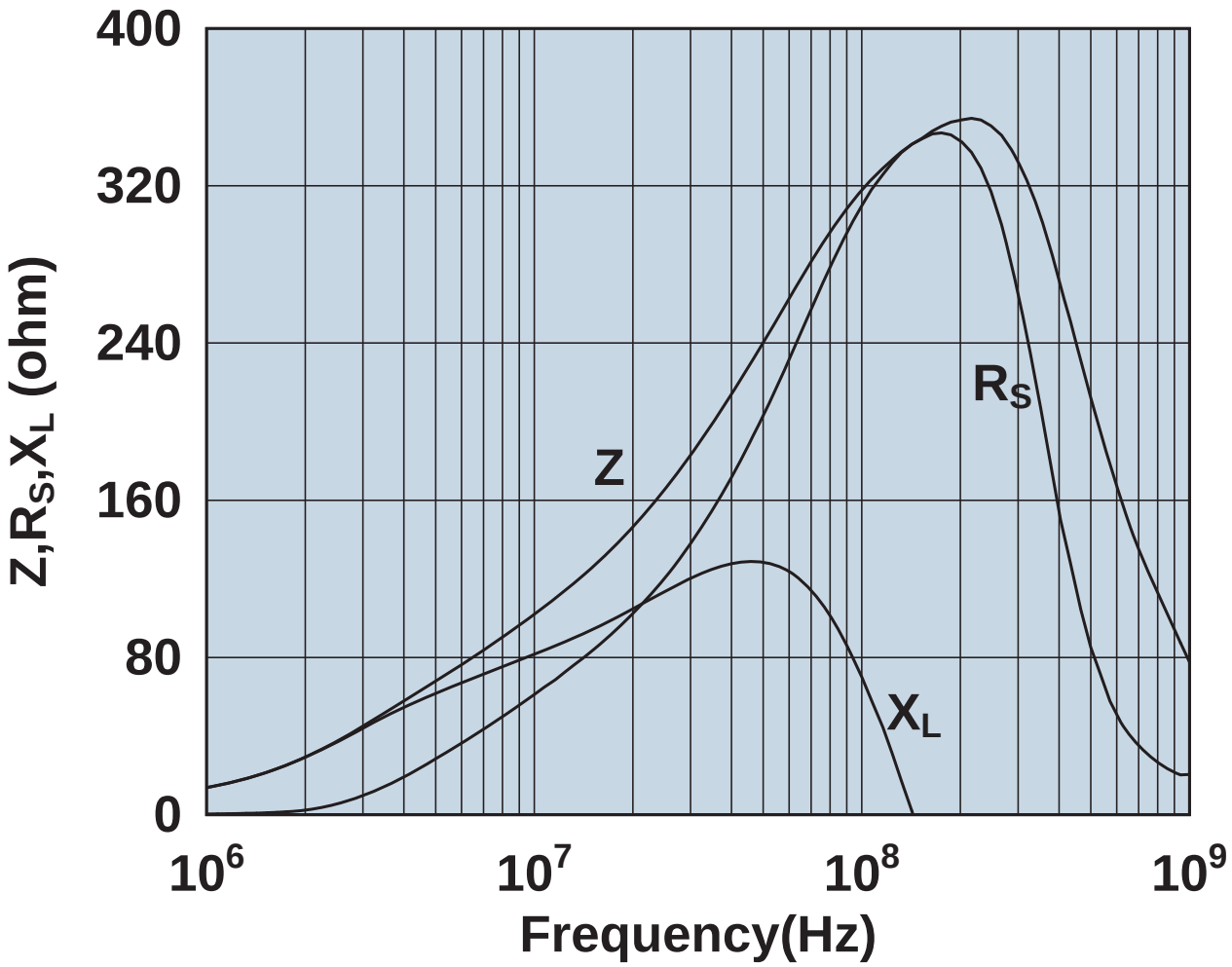
Impedance, reactance, and resistance vs. frequency.

2646173951



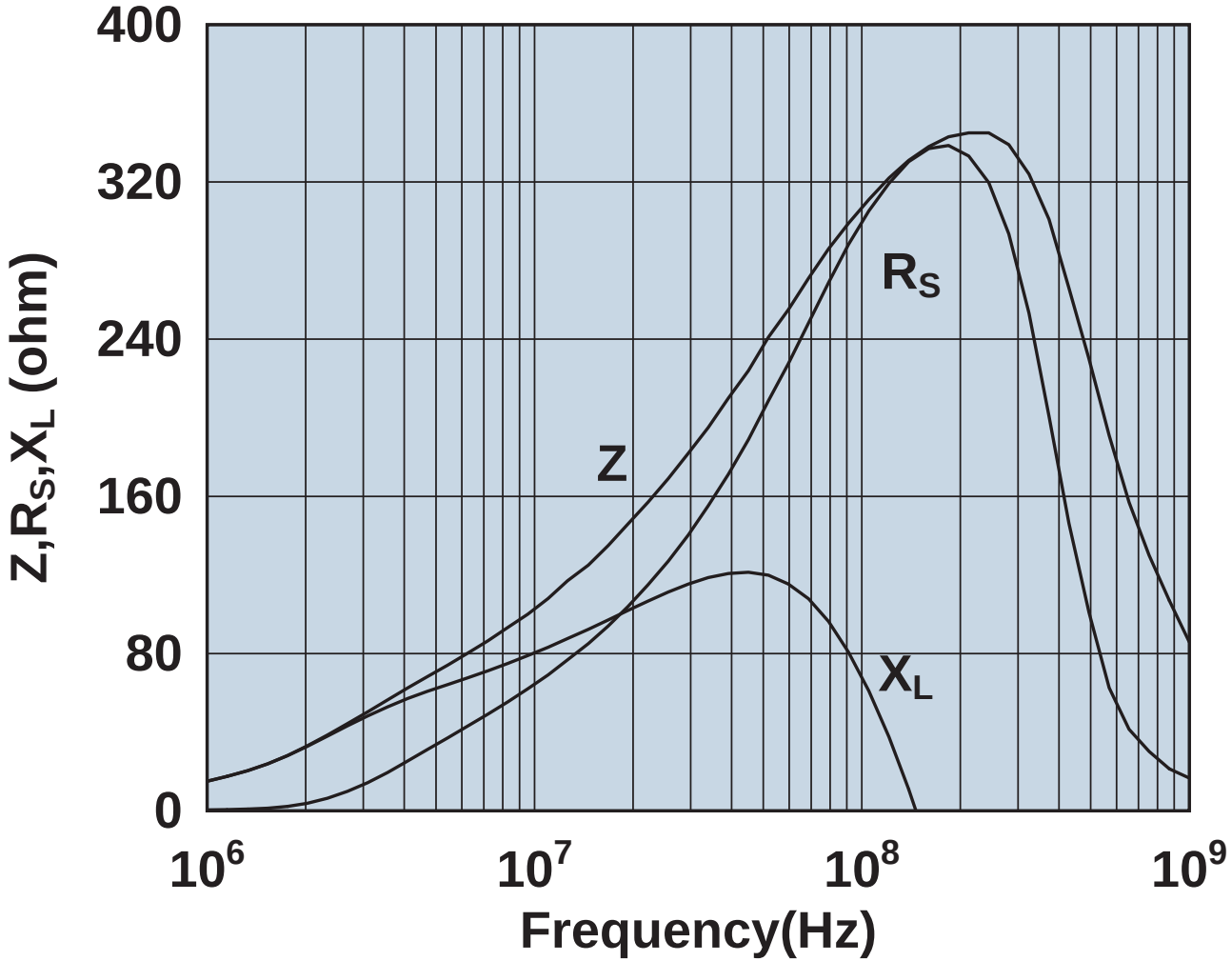
Impedance, reactance, and resistance vs. frequency.

2646176451

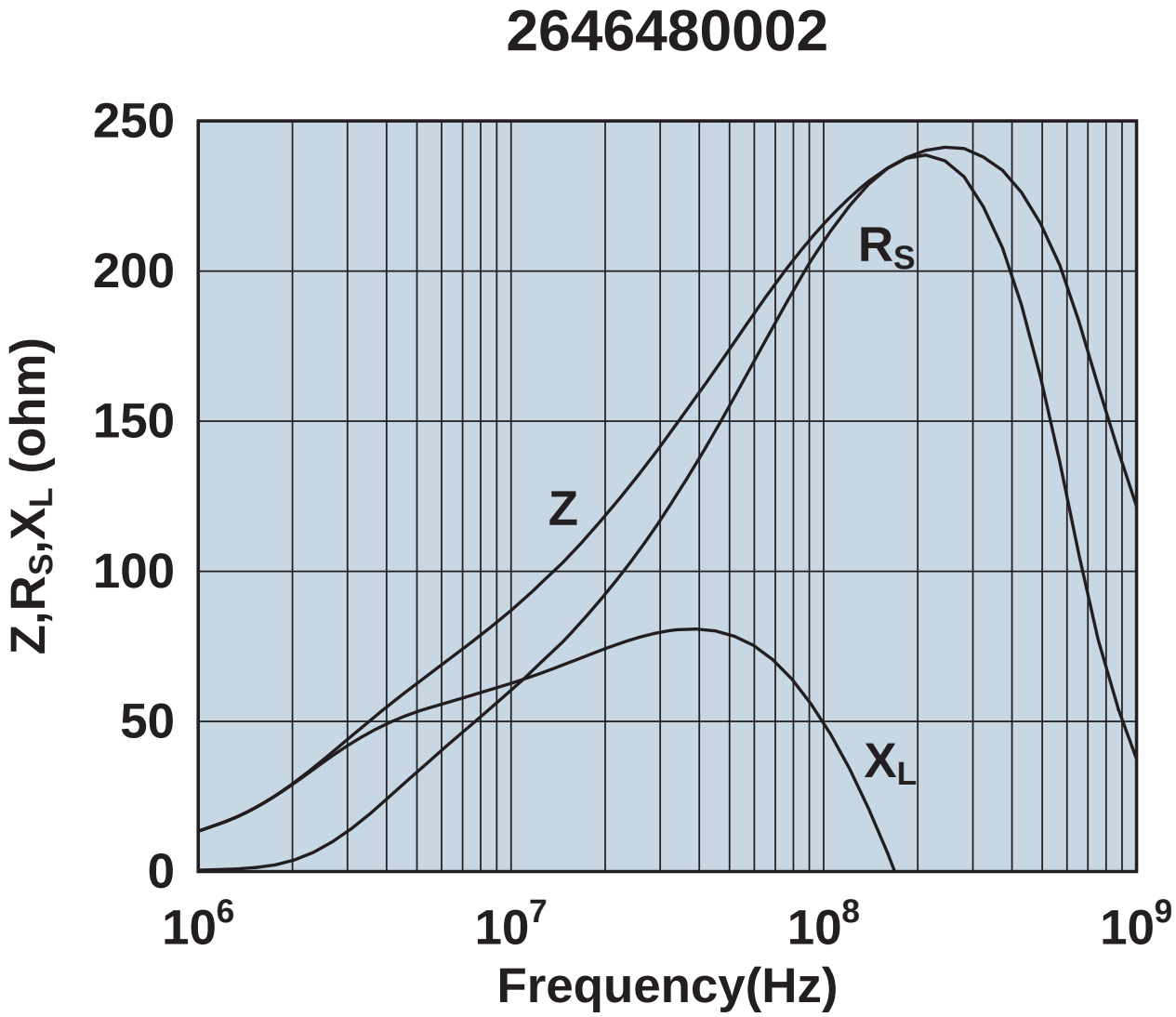


Impedance, reactance, and resistance vs. frequency.

2646177081

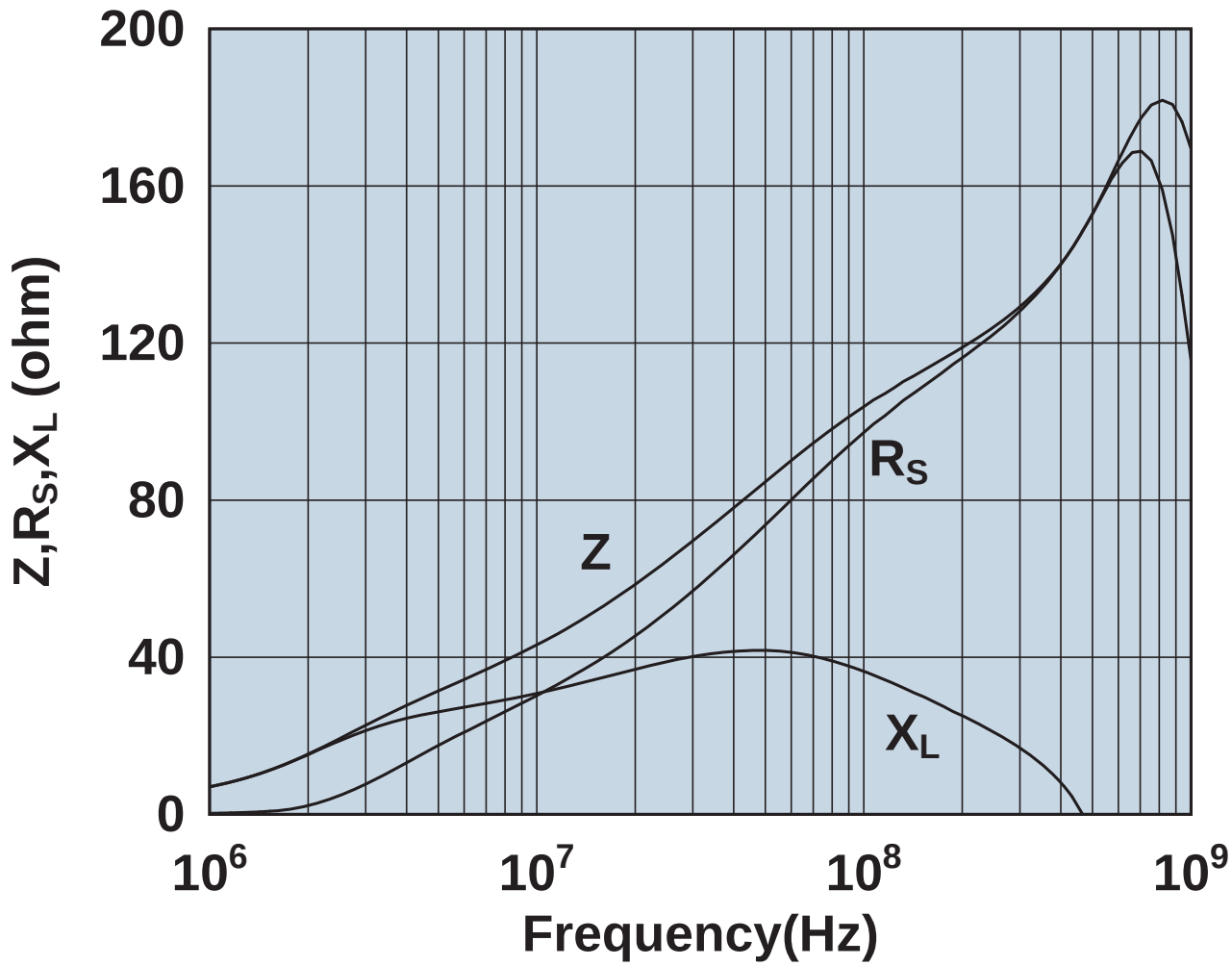


Impedance, reactance, and resistance vs. frequency.

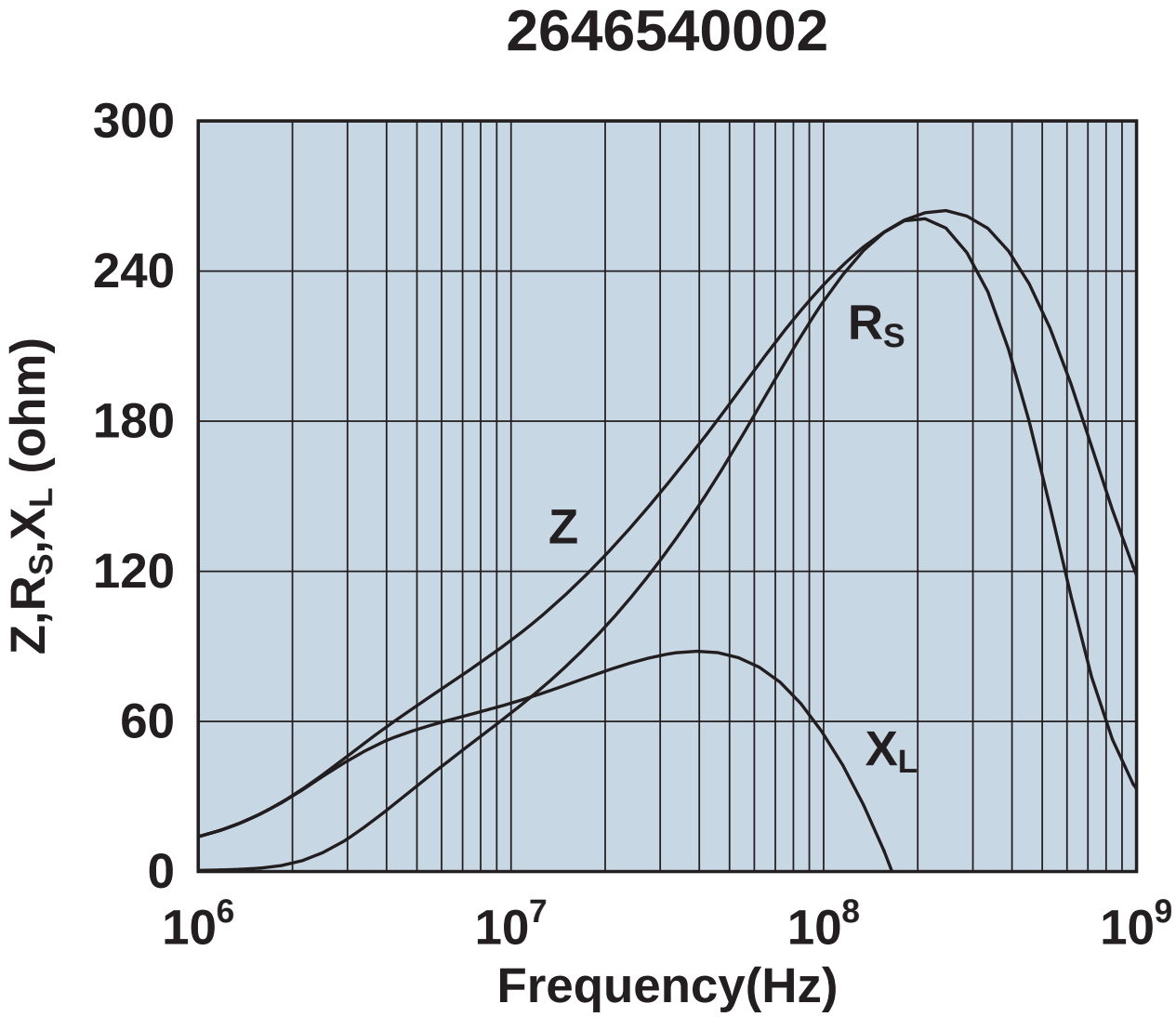


Impedance, reactance, and resistance vs. frequency.

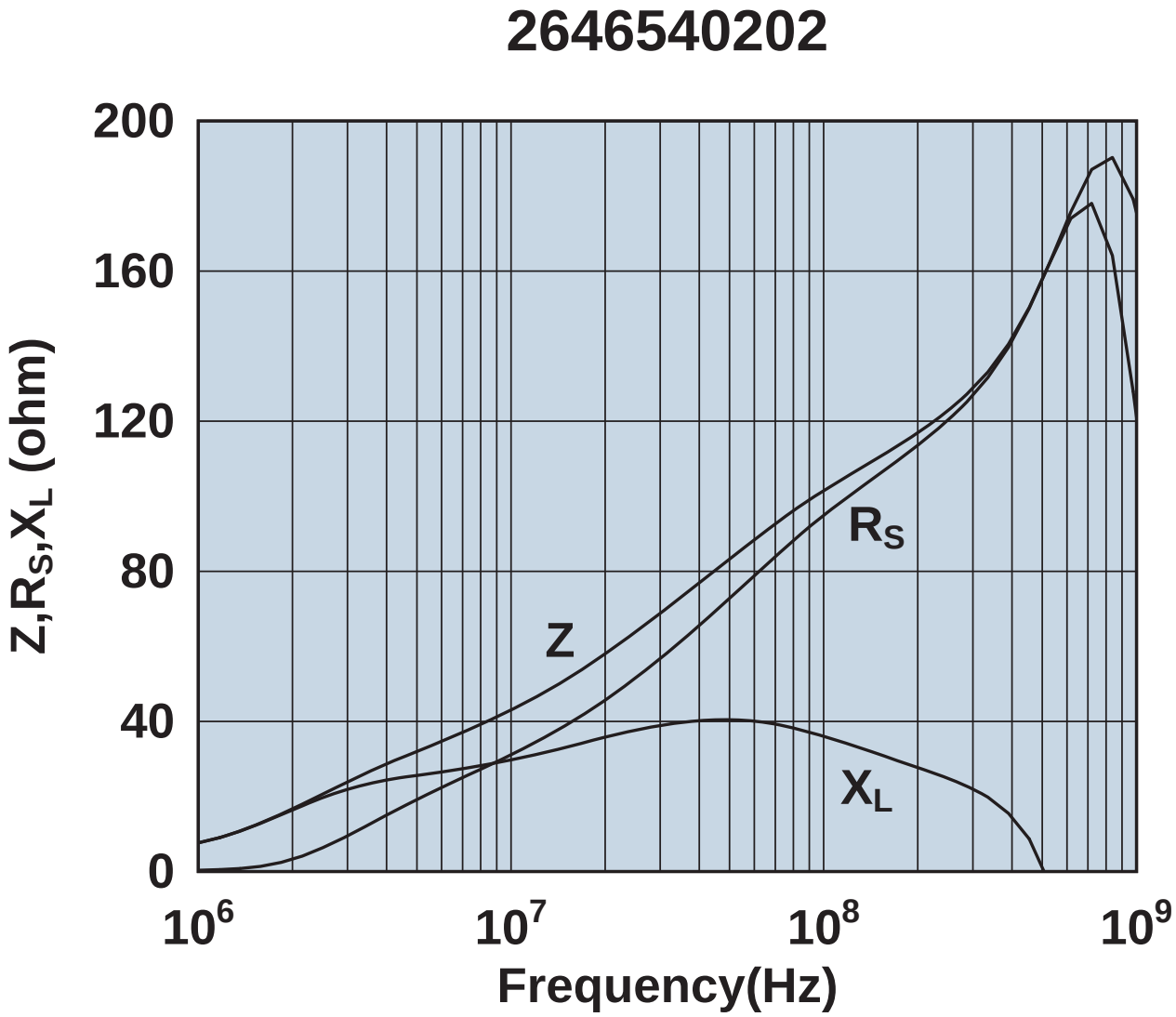
2646480102



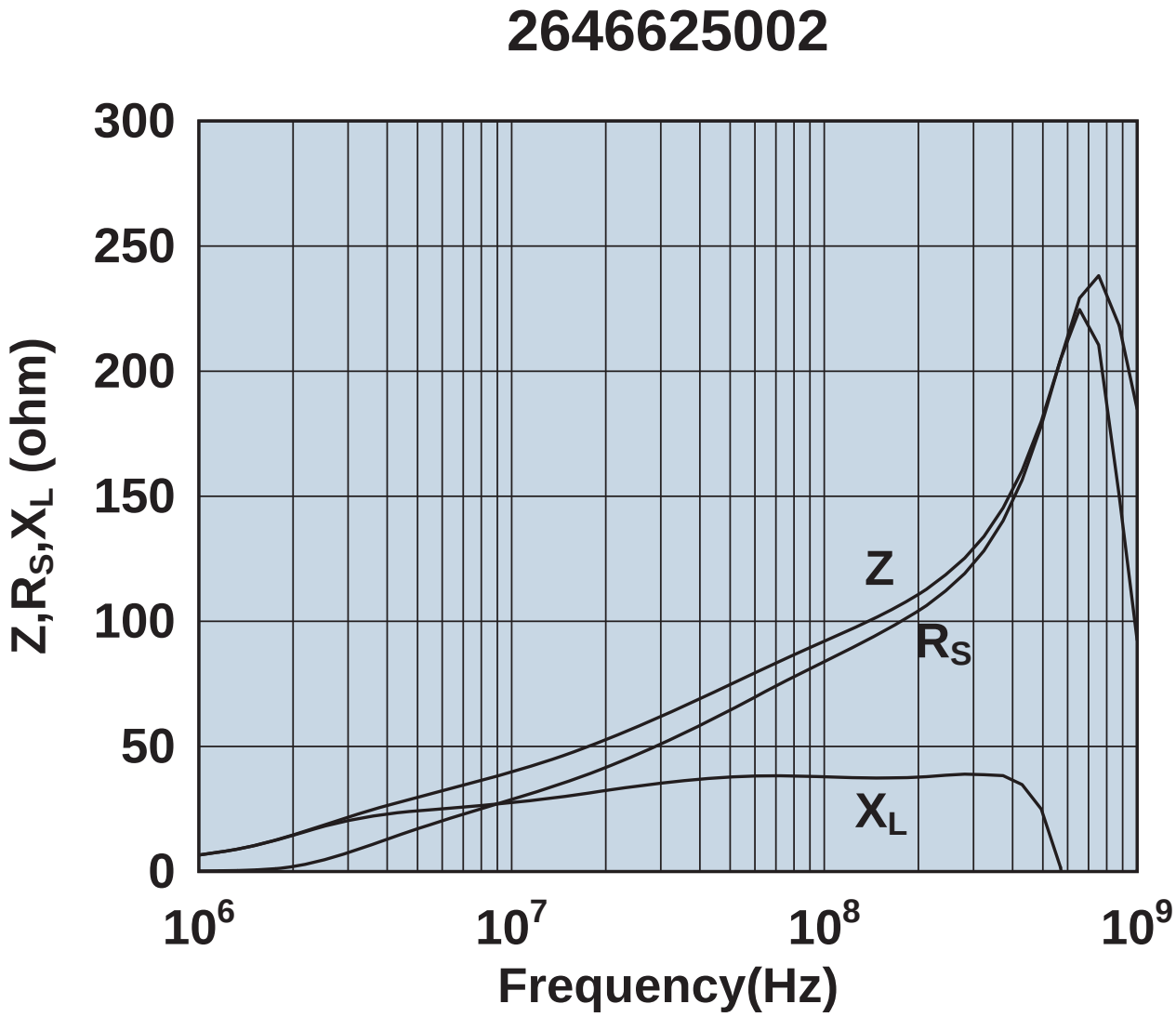
Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

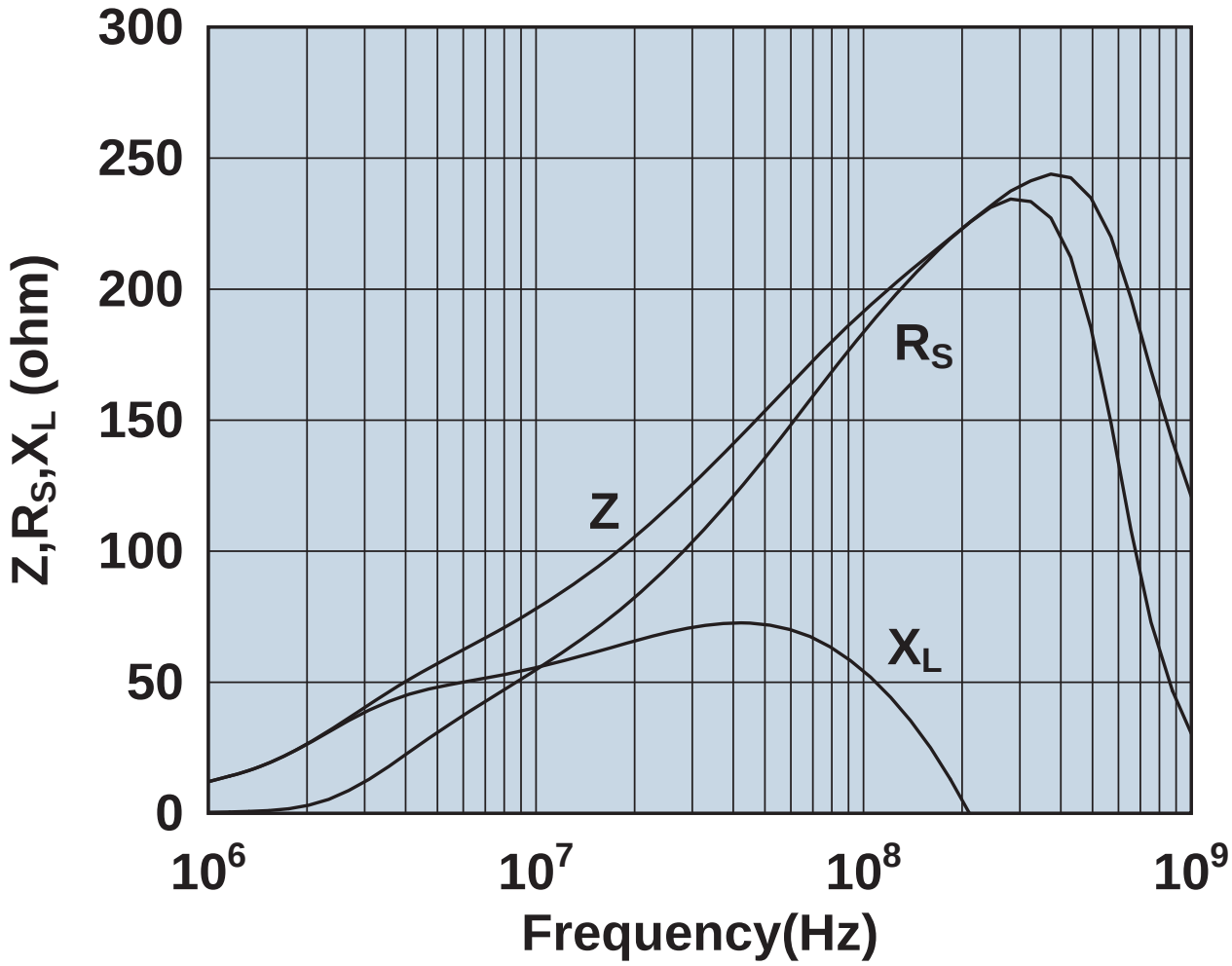


Impedance, reactance, and resistance vs. frequency.



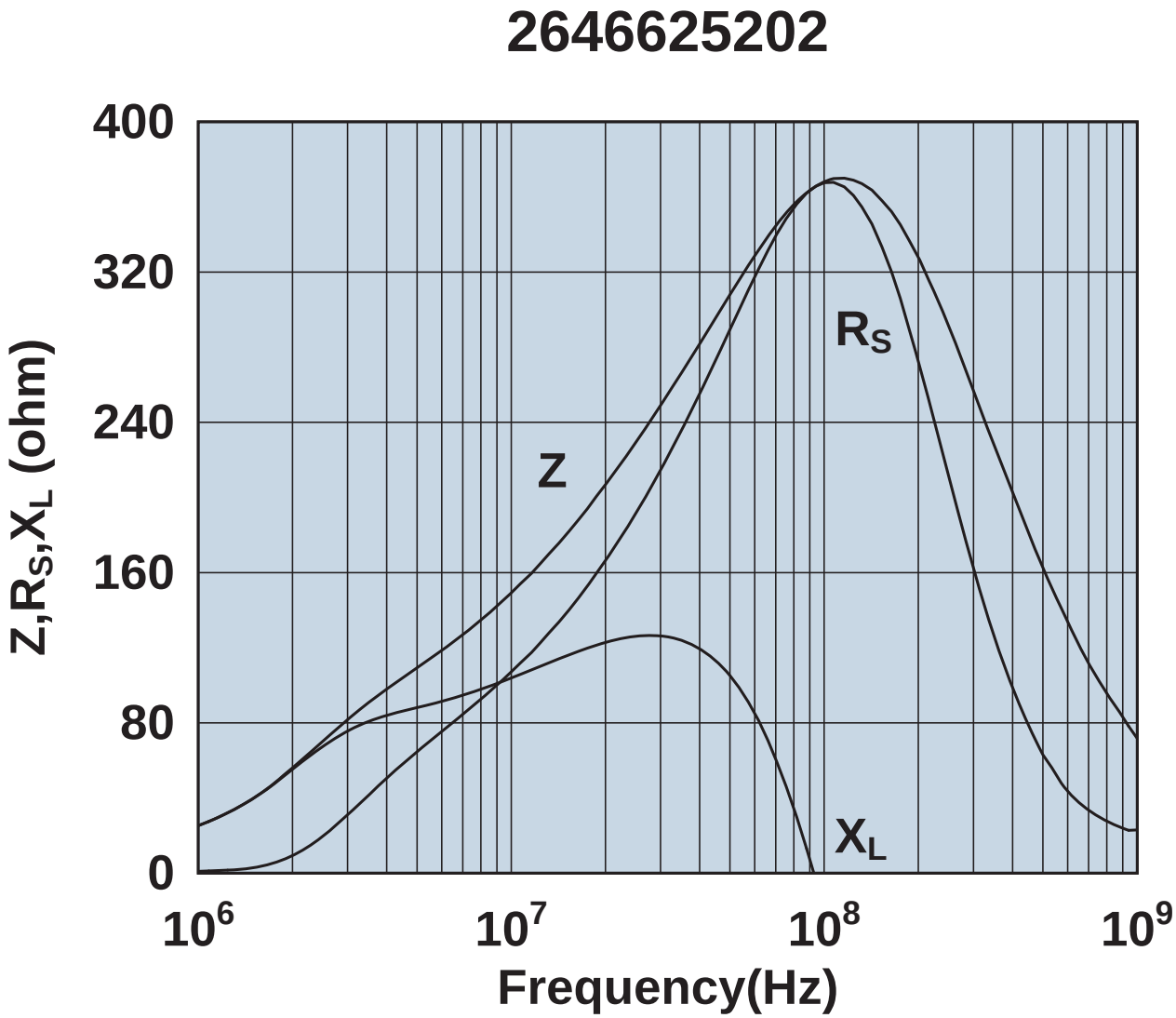
Impedance, reactance, and resistance vs. frequency.

2646625102

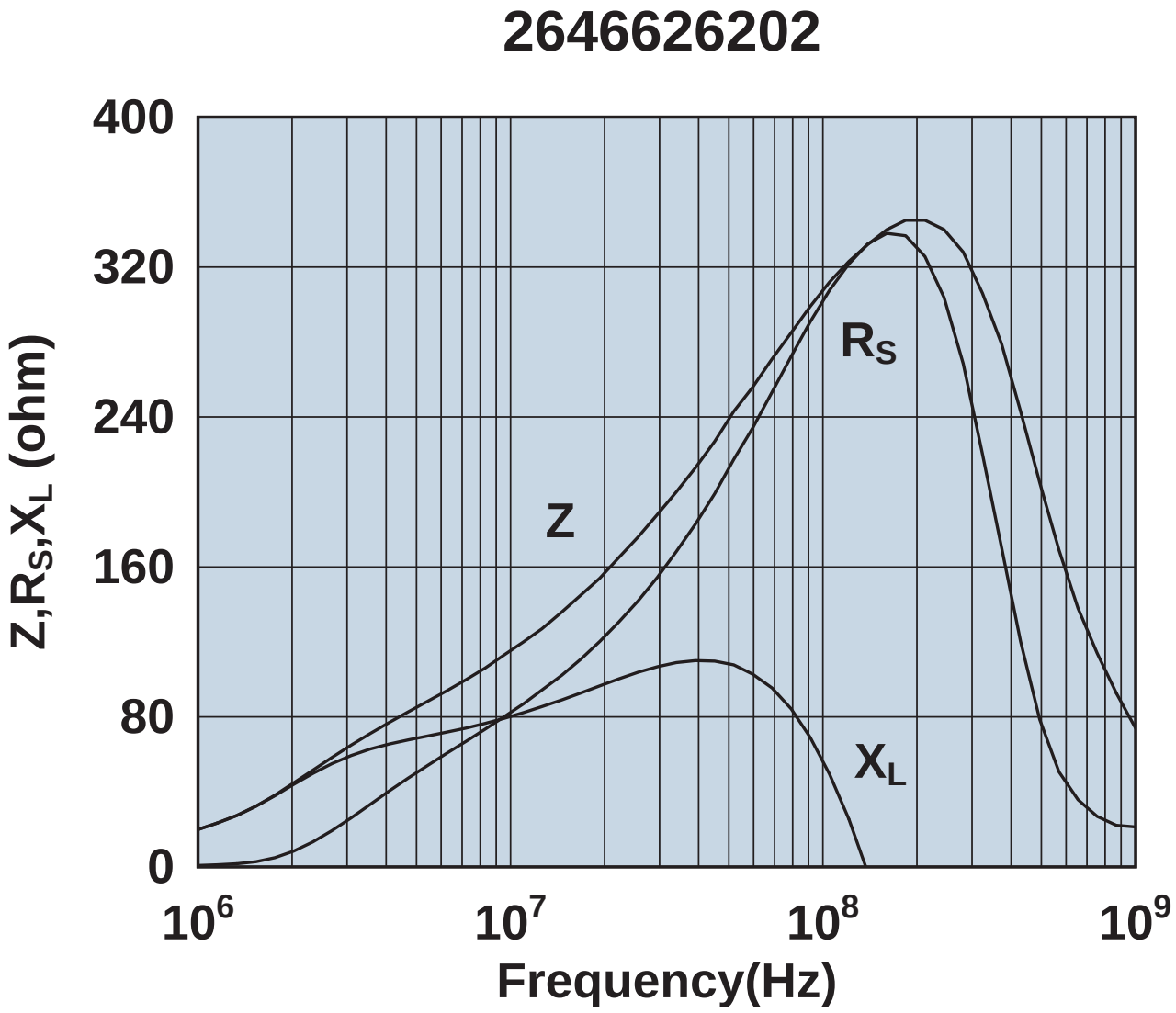


Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.



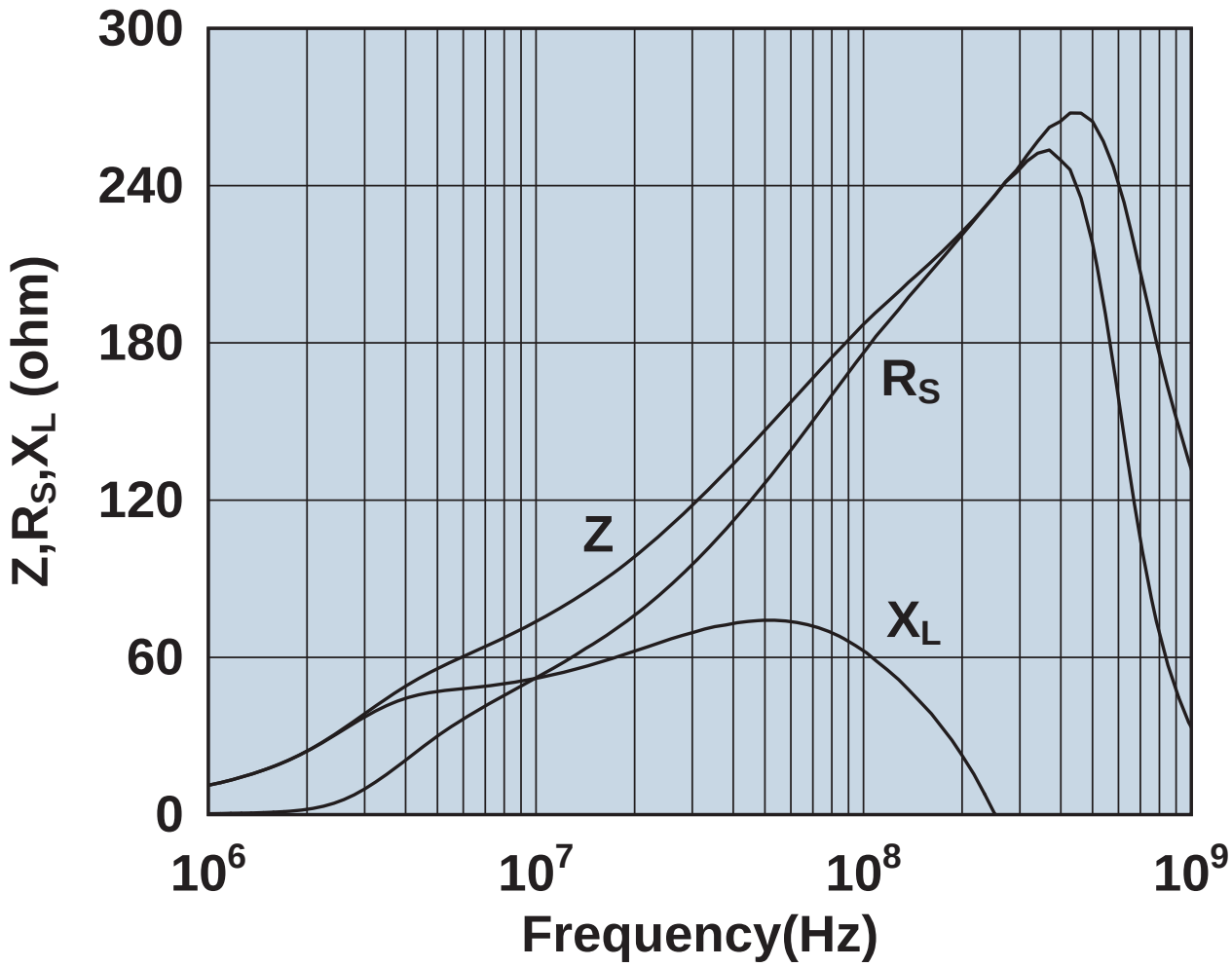
Impedance, reactance, and resistance vs. frequency.



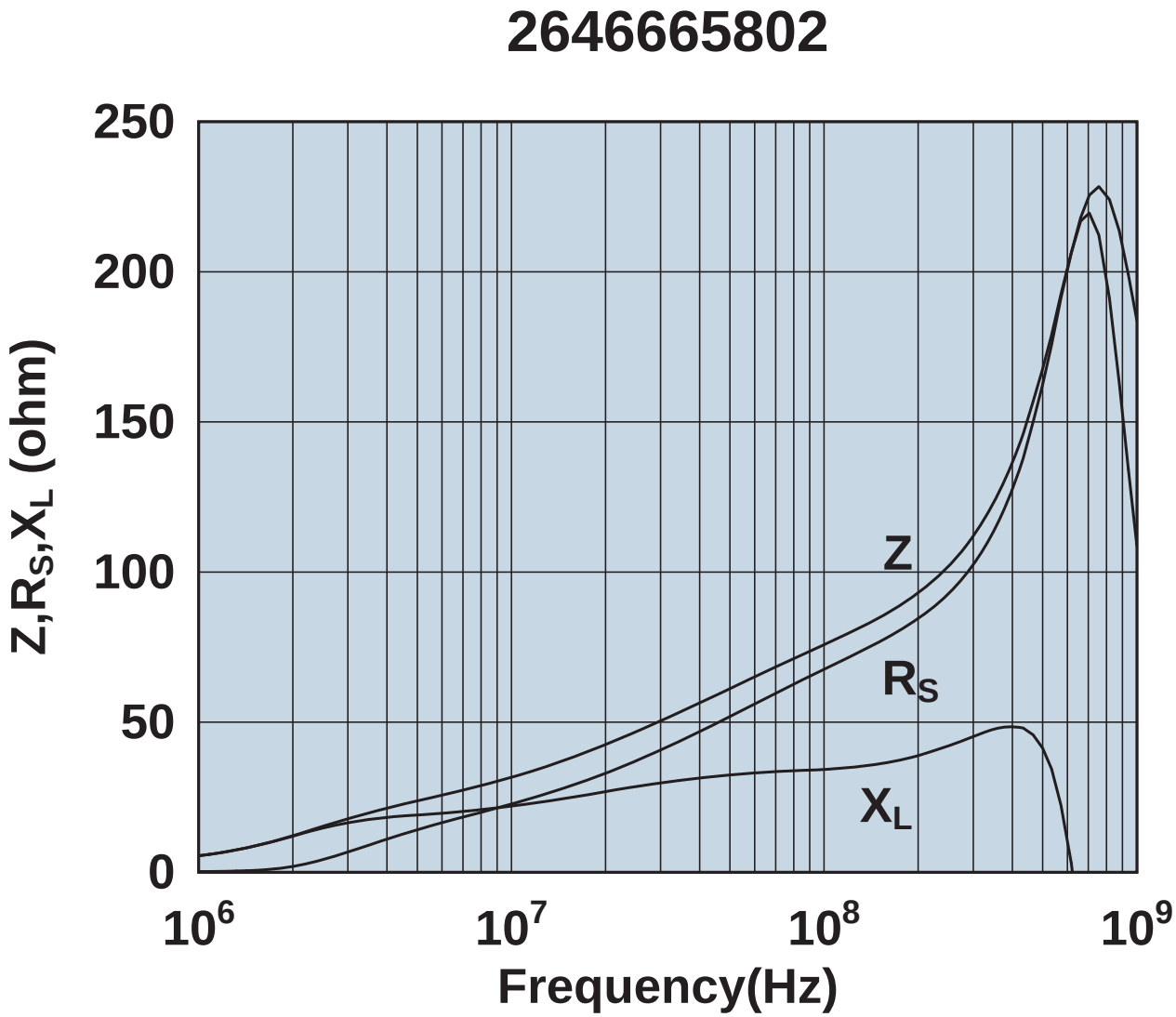
Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

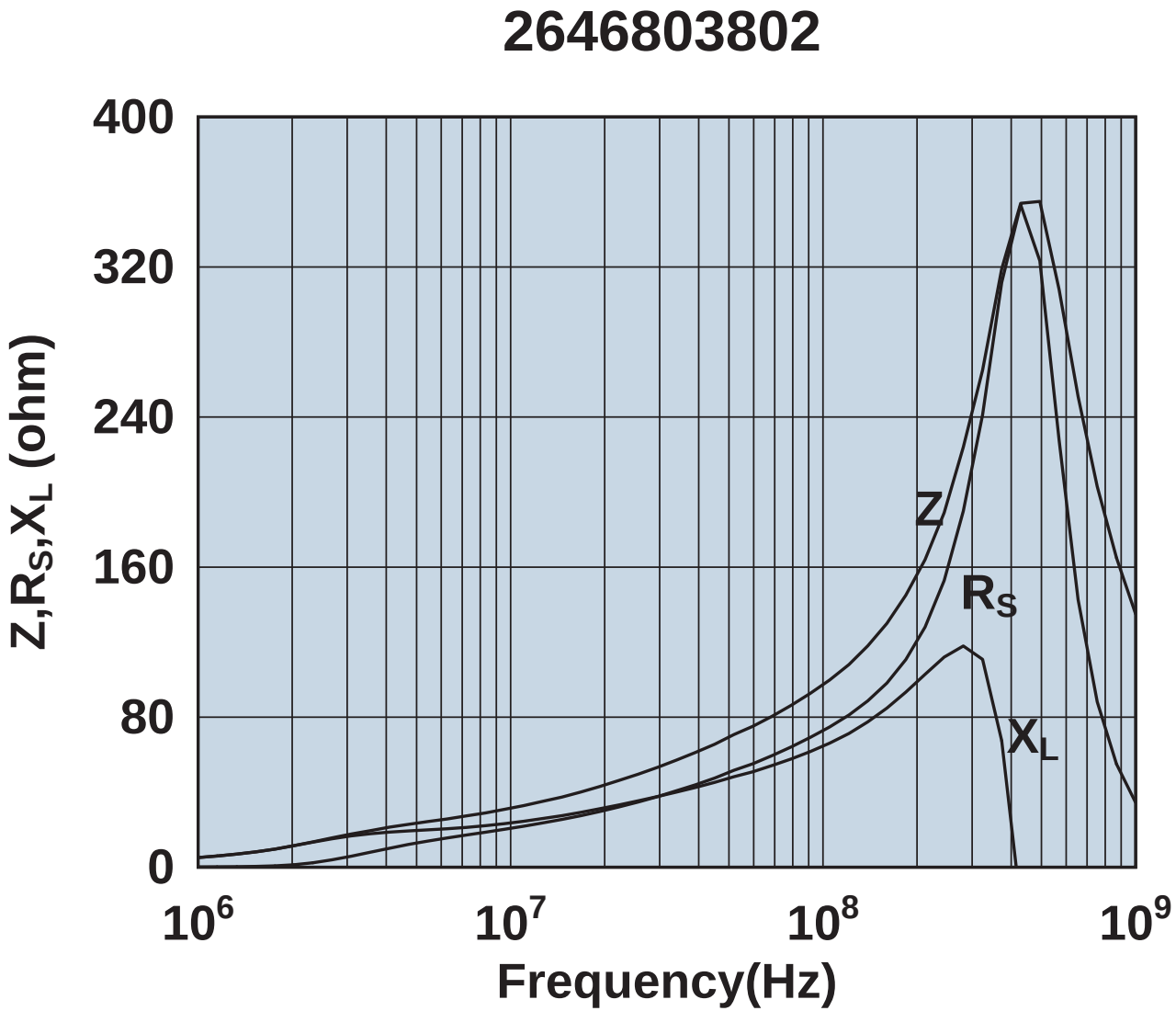
2646665702



Impedance, reactance, and resistance vs. frequency.

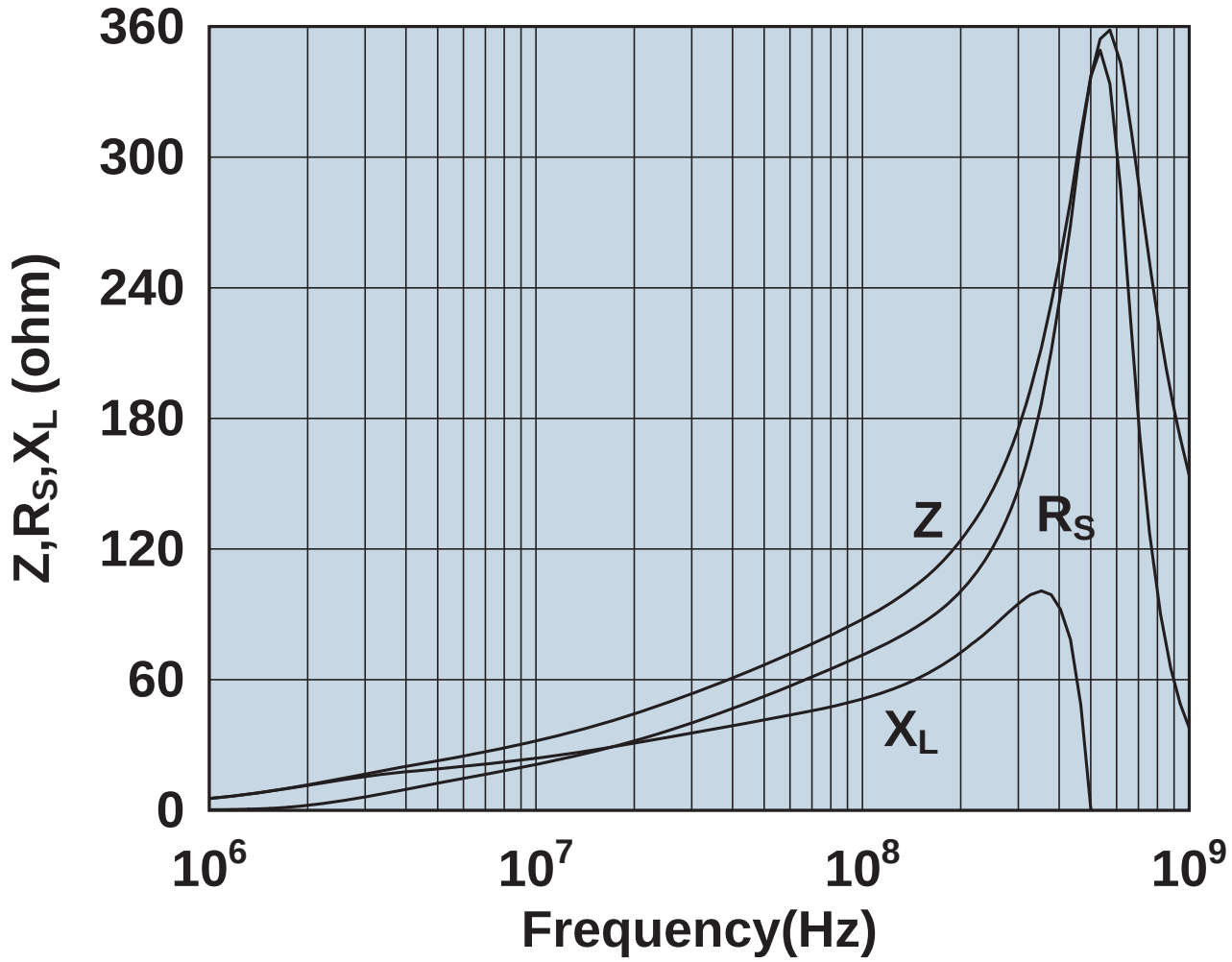


Impedance, reactance, and resistance vs. frequency.

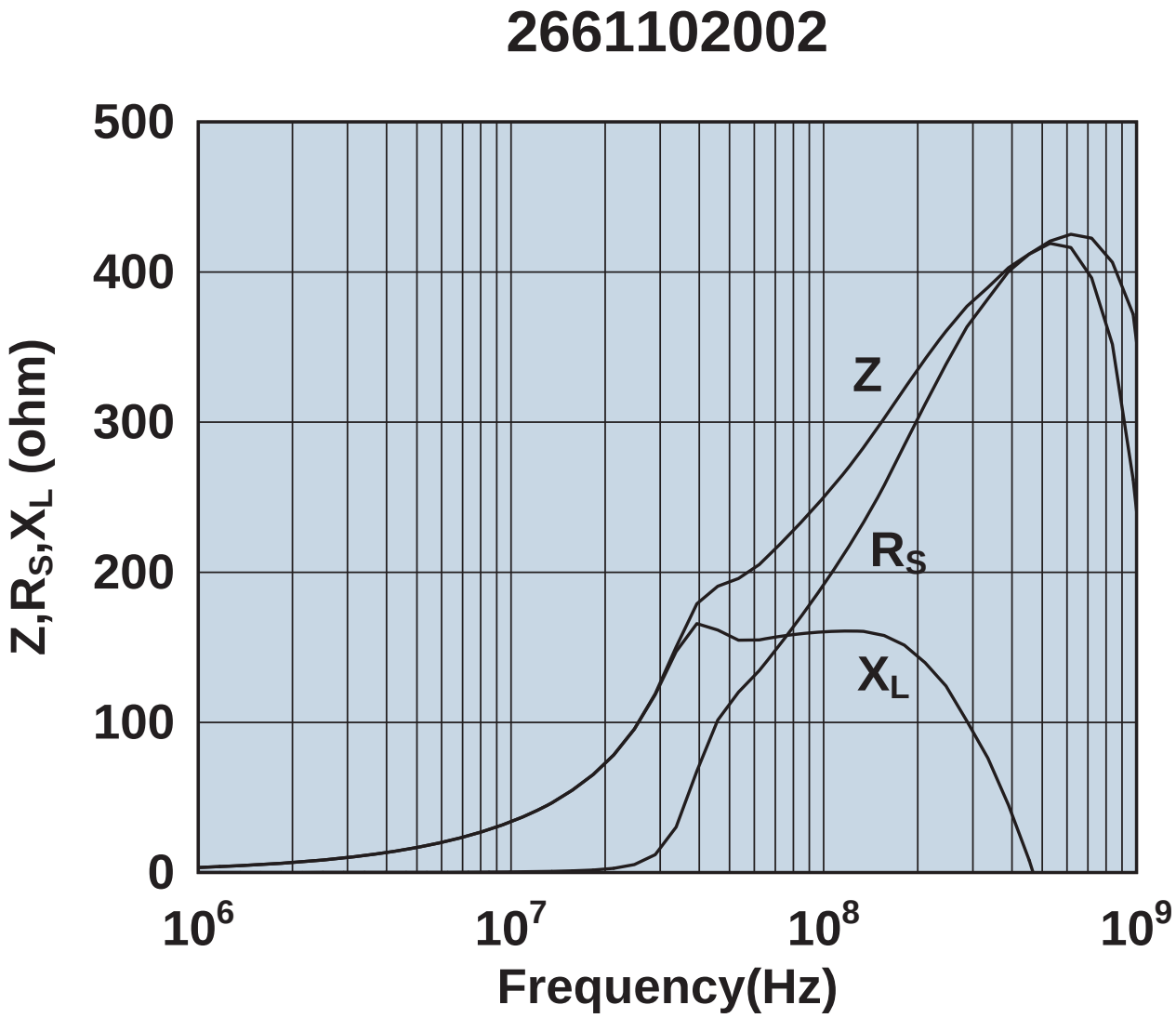


Impedance, reactance, and resistance vs. frequency.

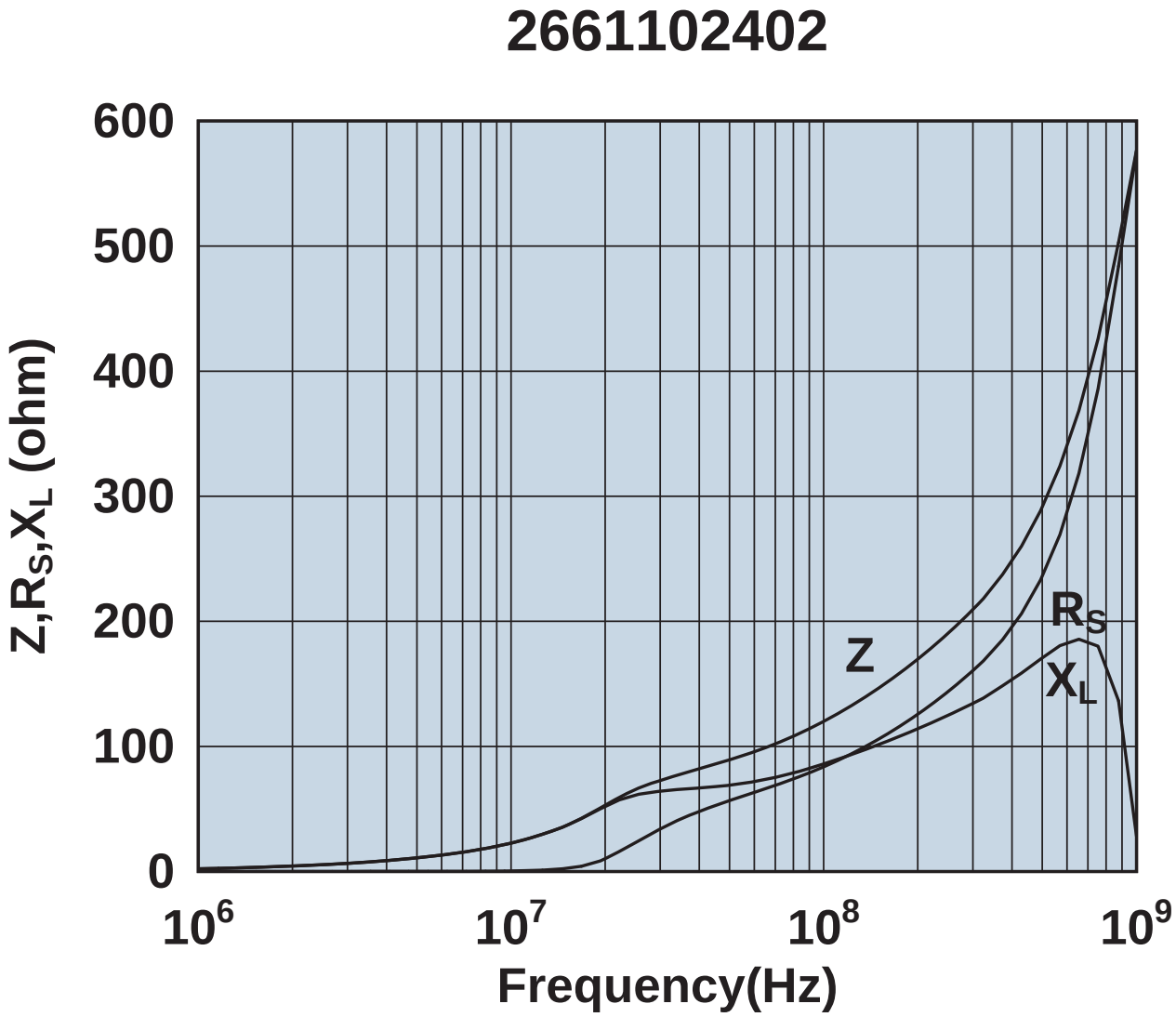
2646804502



Impedance, reactance, and resistance vs. frequency.

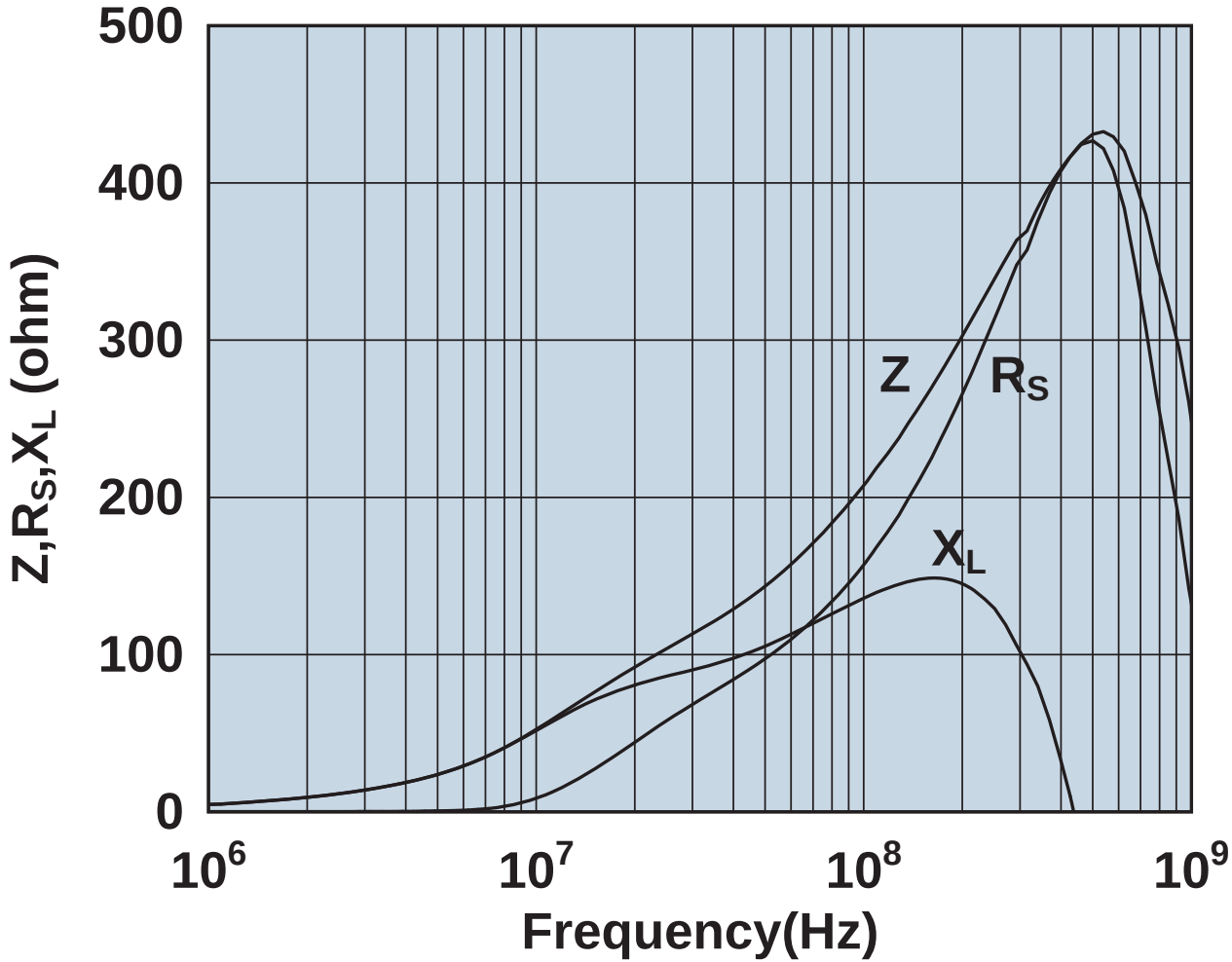


Impedance, reactance, and resistance vs. frequency.



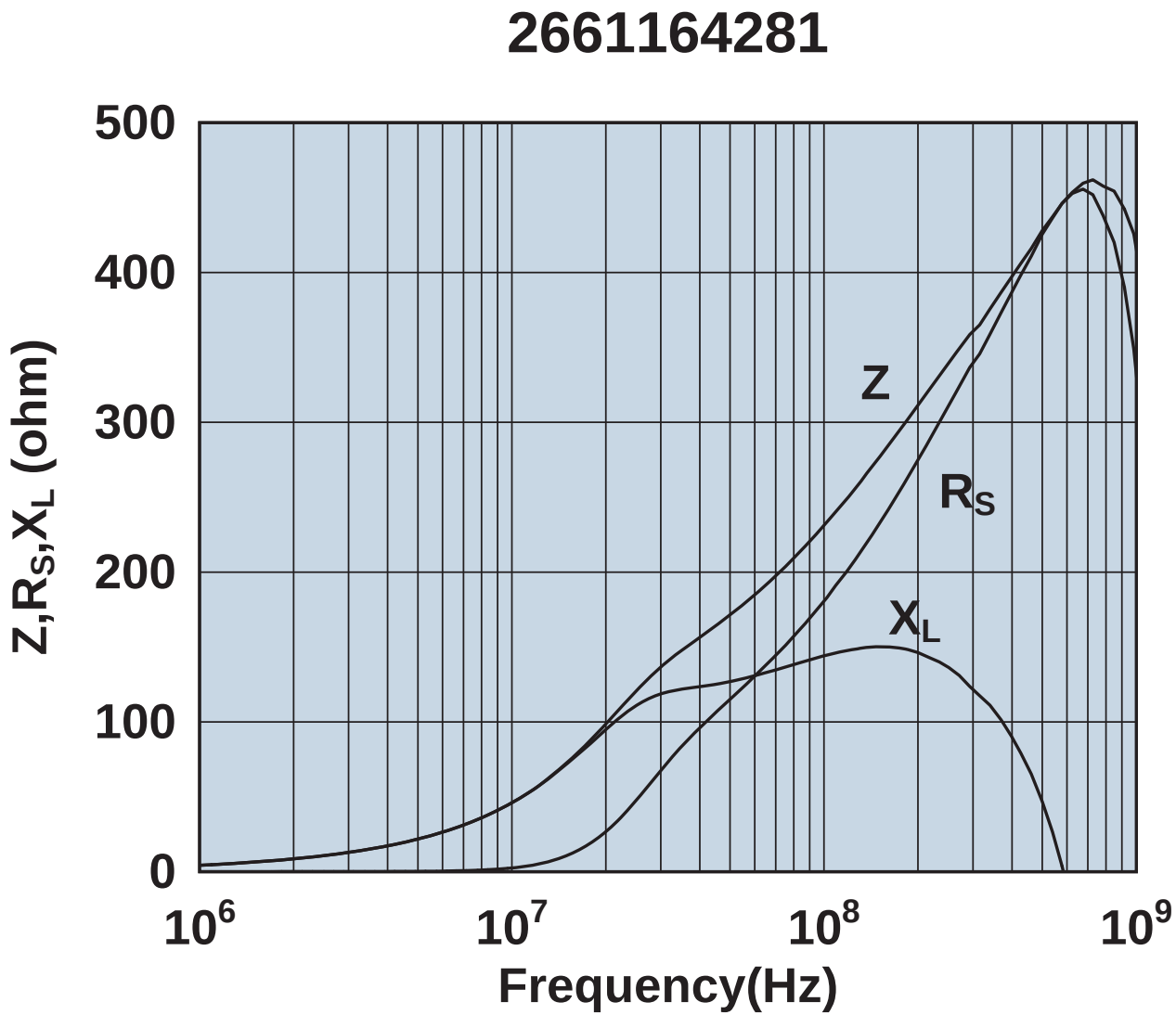
Impedance, reactance, and resistance vs. frequency.

2661164181

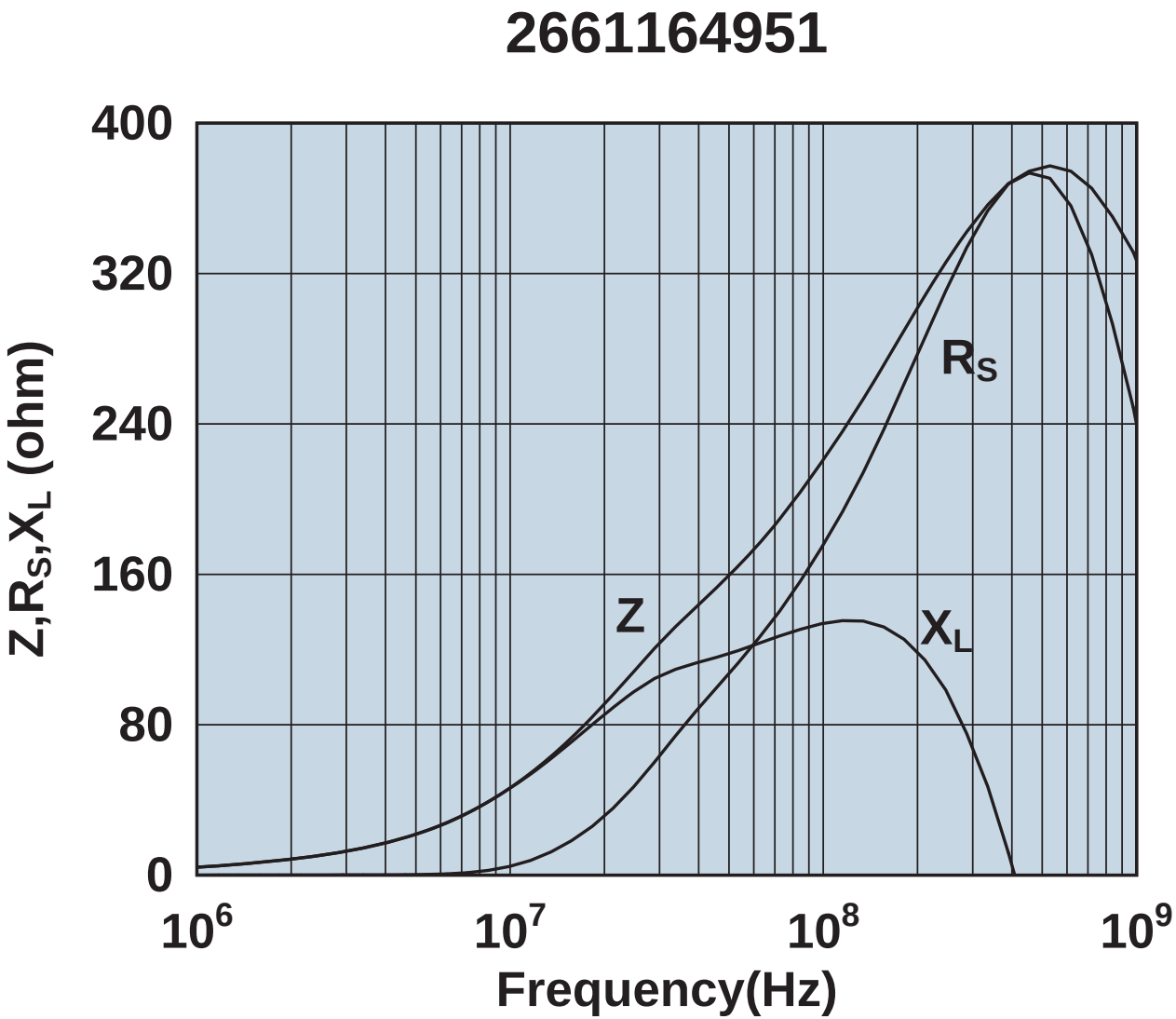


Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

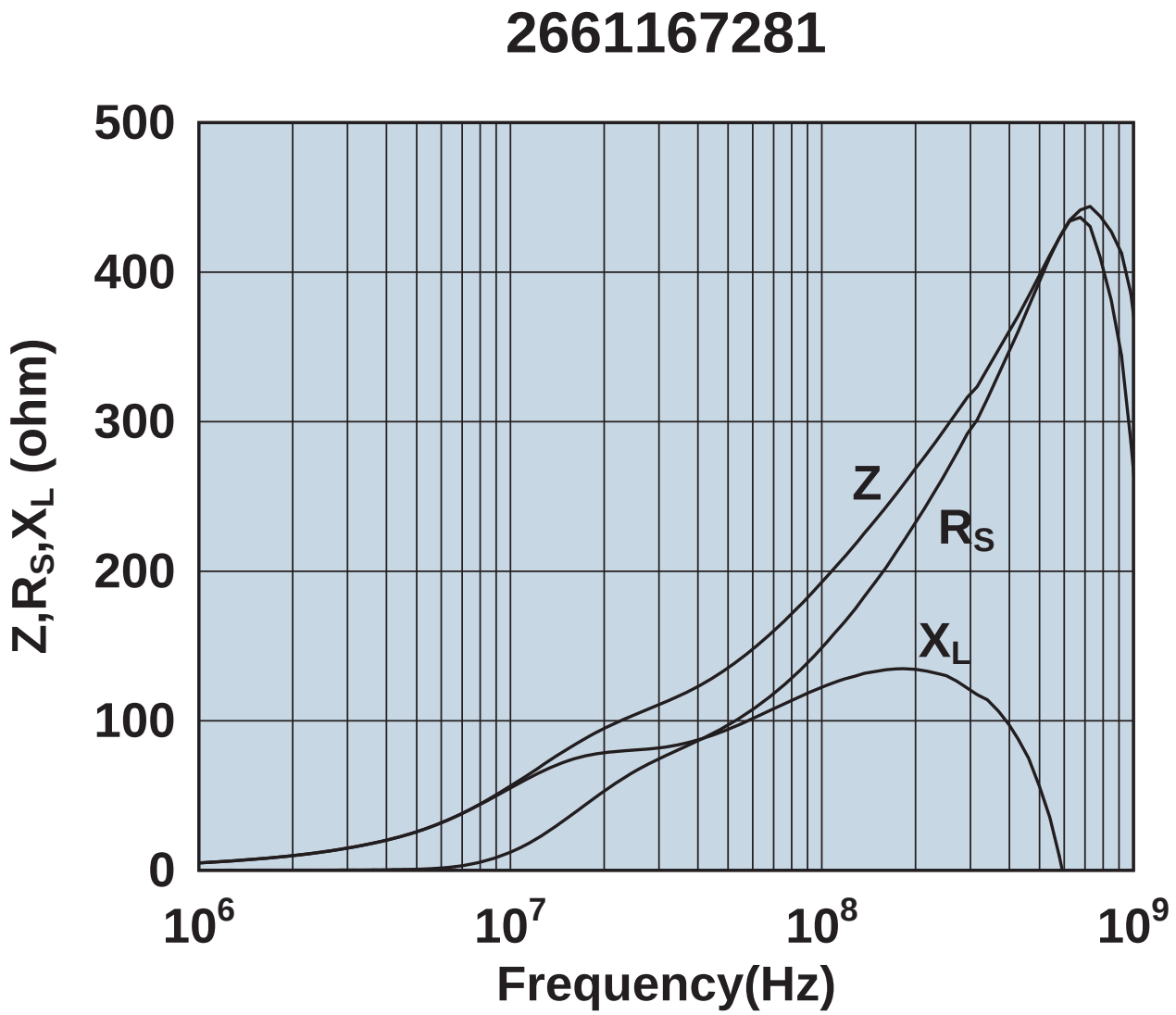


Impedance, reactance, and resistance vs. frequency.

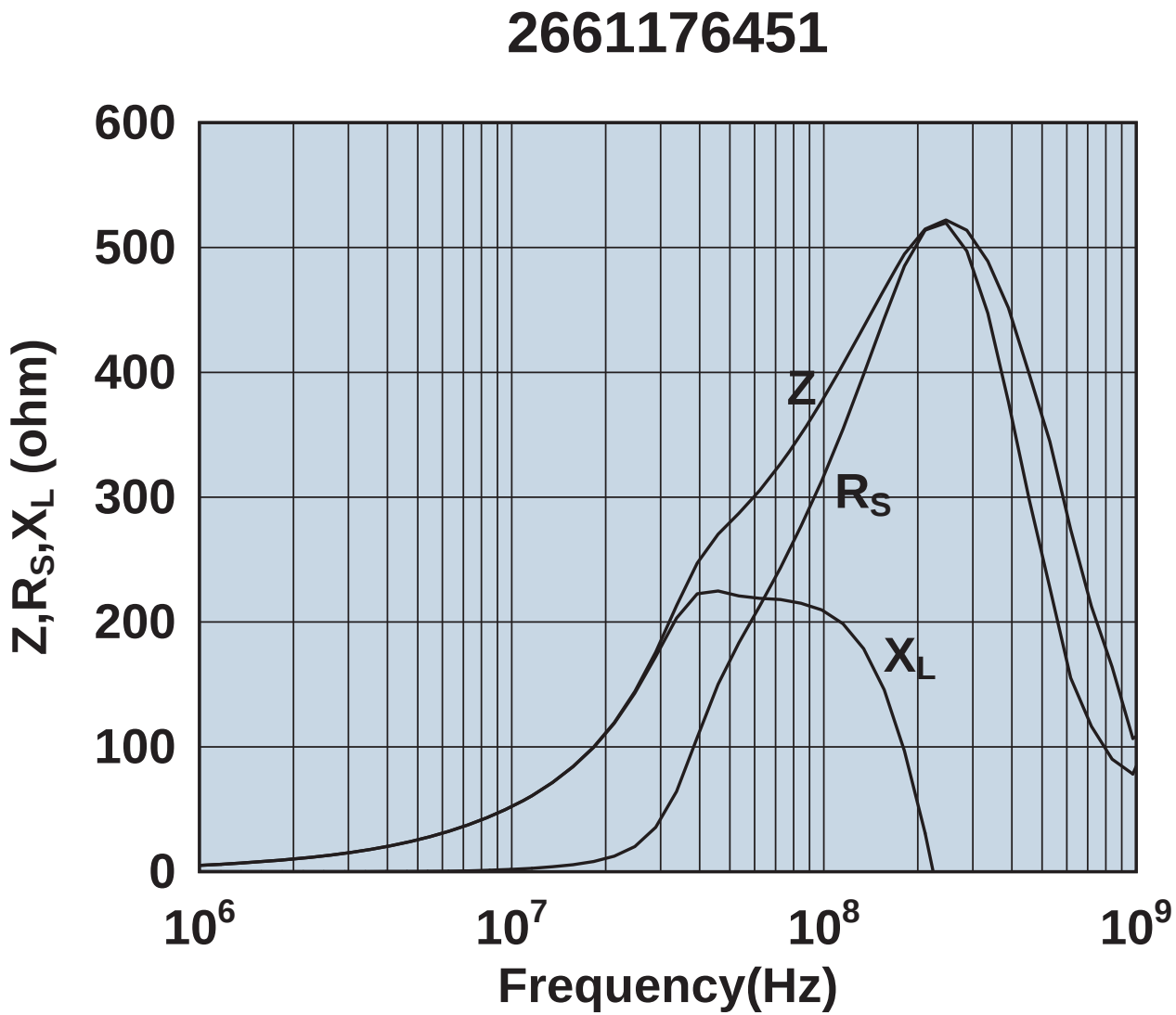


Impedance, reactance, and resistance vs. frequency.

Click on part number to return to catalog.

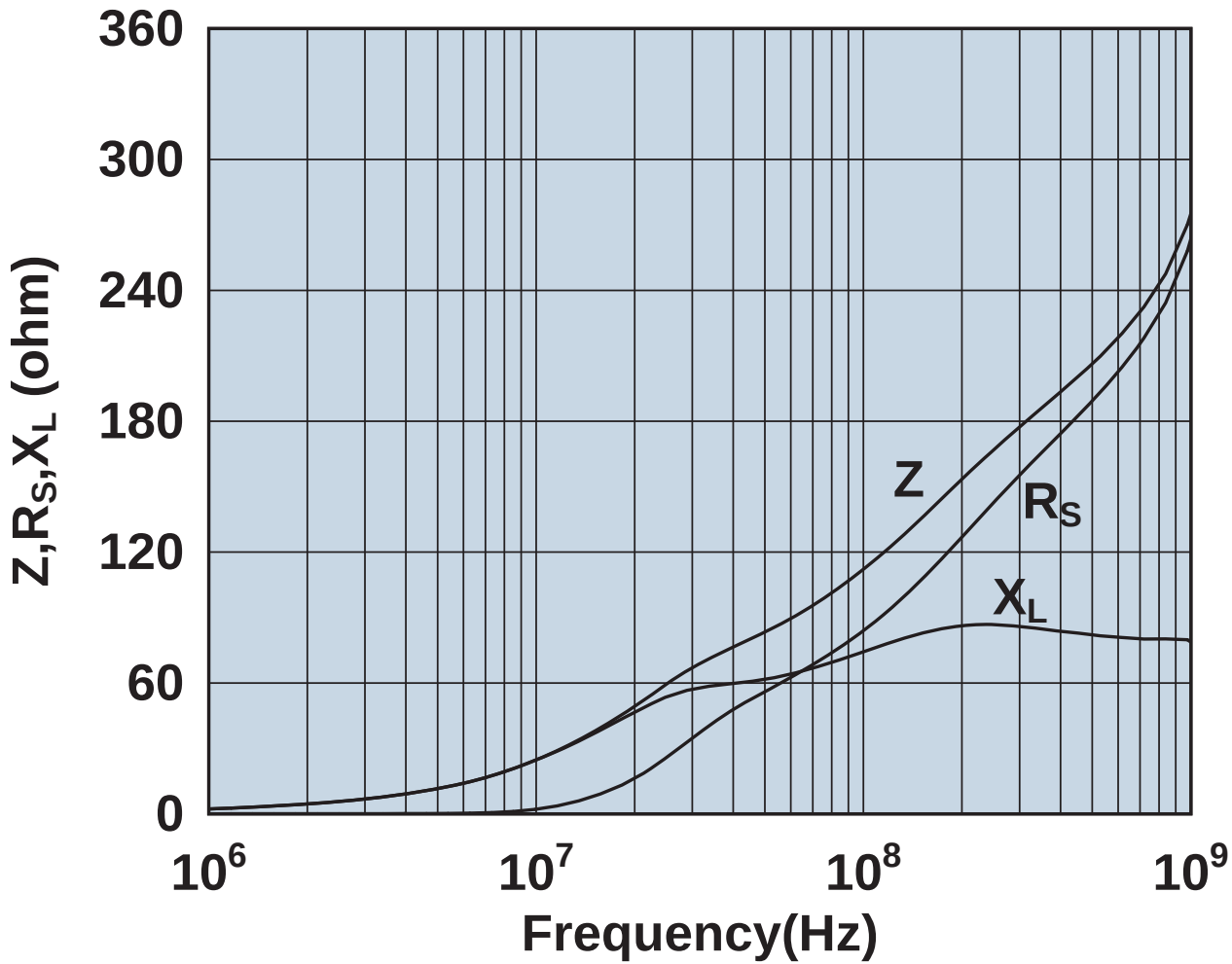


Impedance, reactance, and resistance vs. frequency.



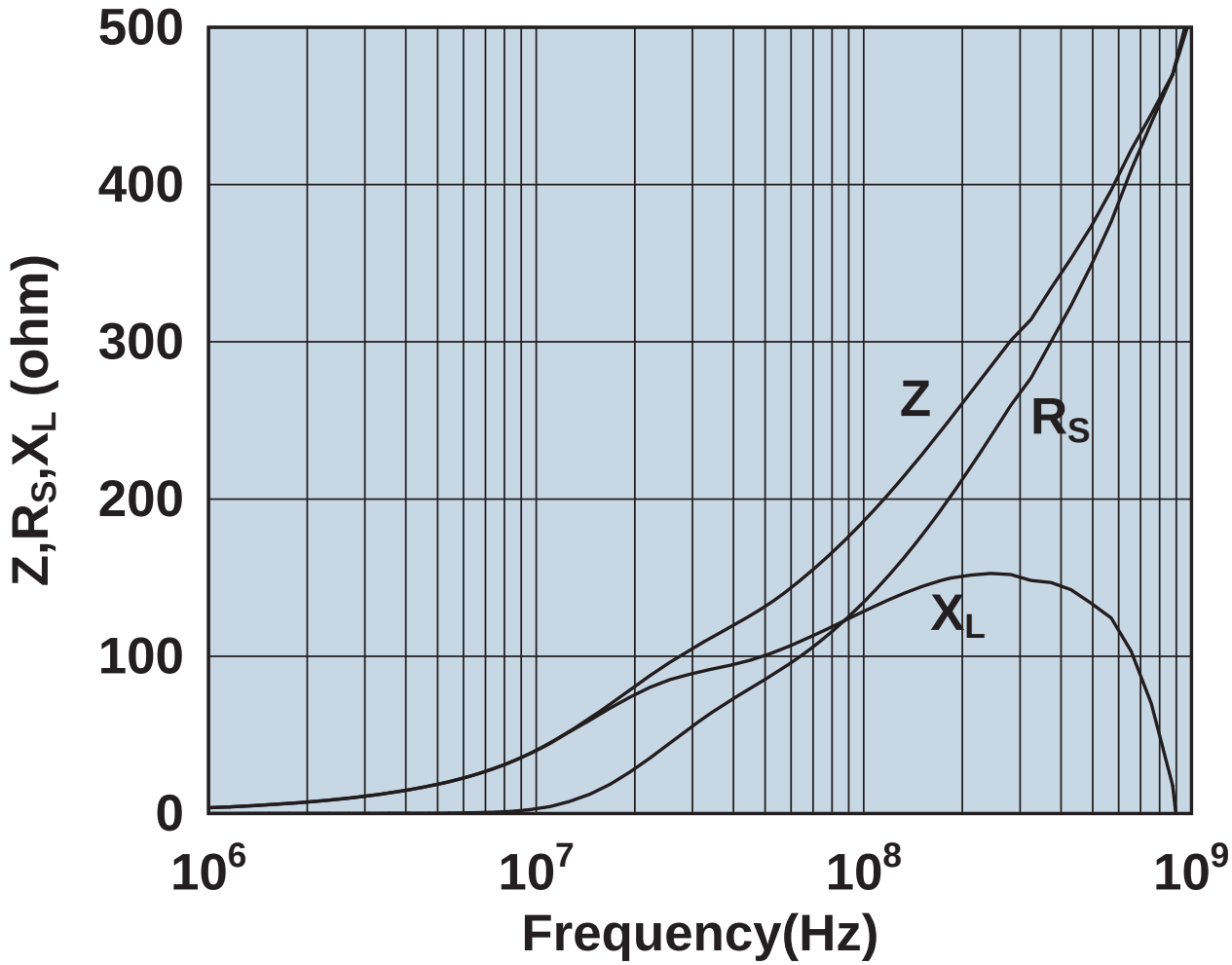
Impedance, reactance, and resistance vs. frequency.

2661178181

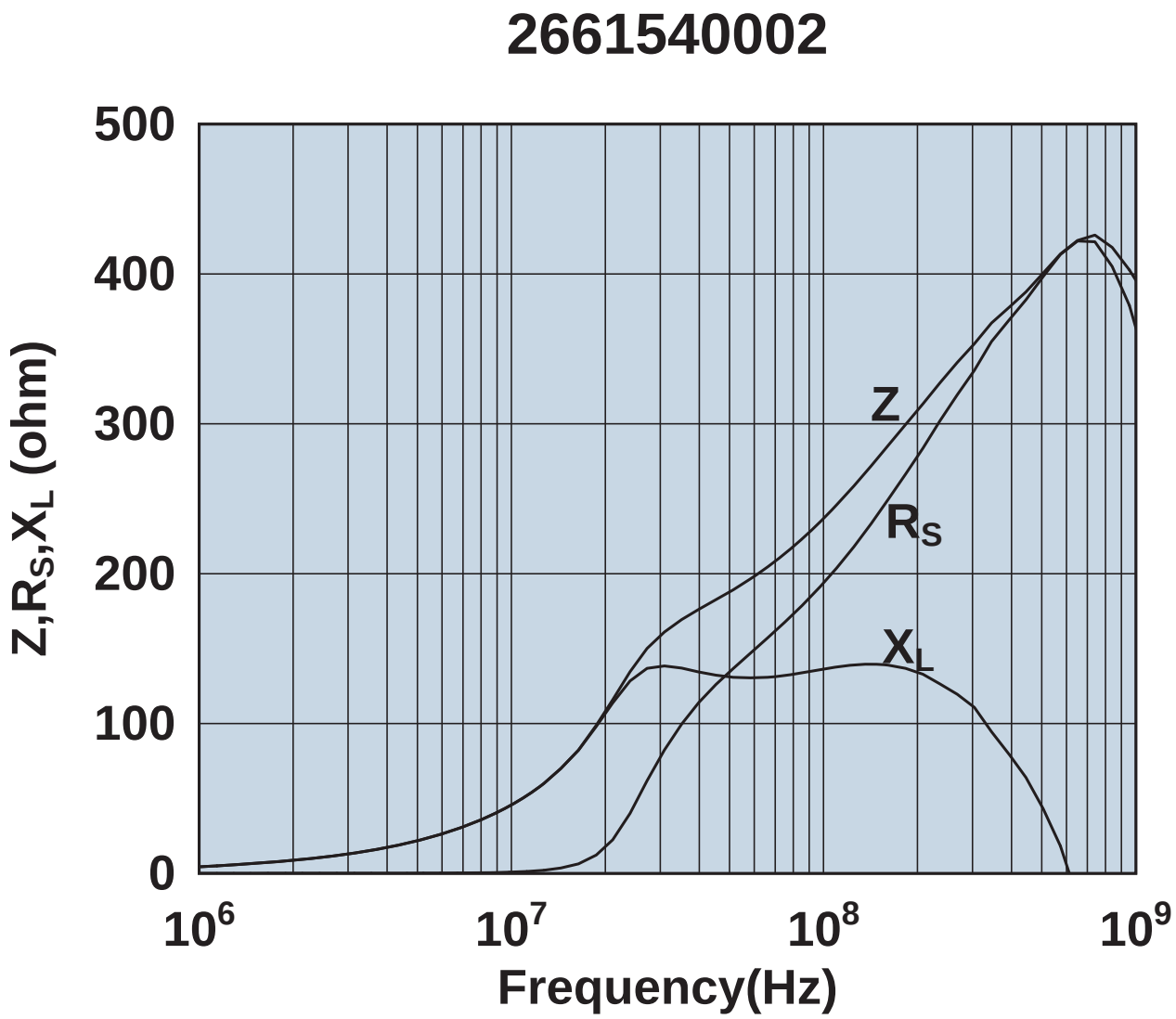


Impedance, reactance, and resistance vs. frequency.

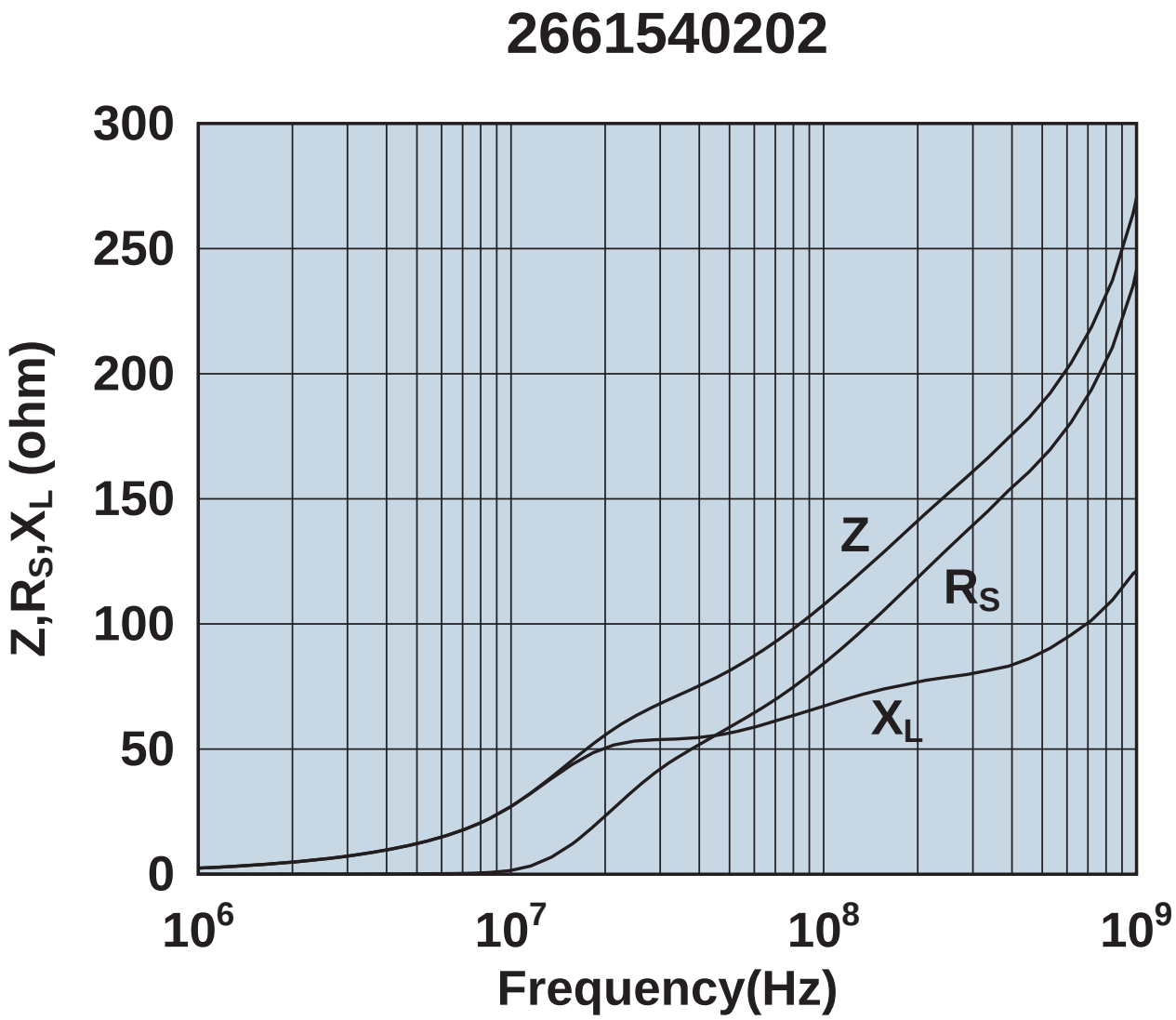
2661178281



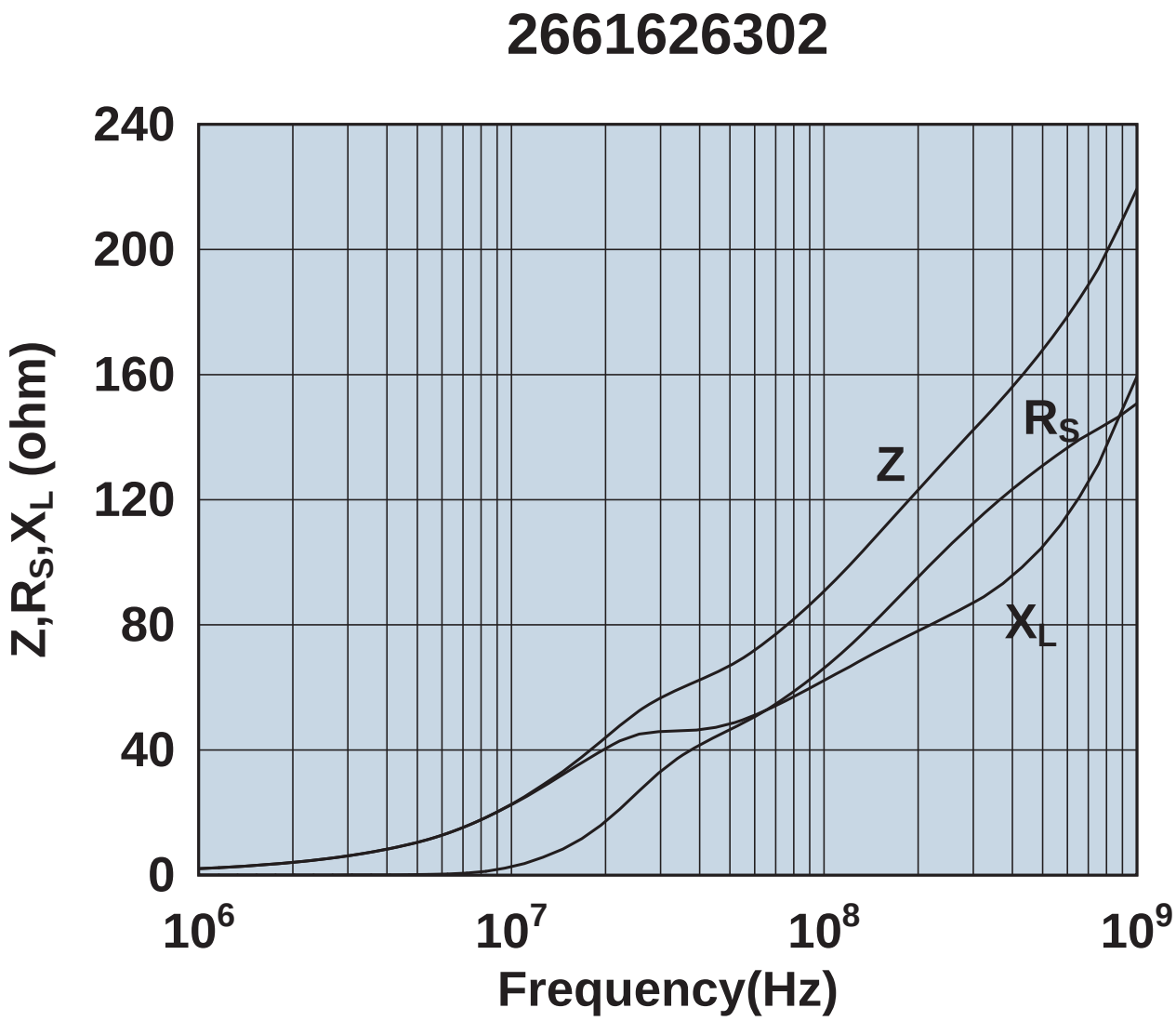
Impedance, reactance, and resistance vs. frequency.



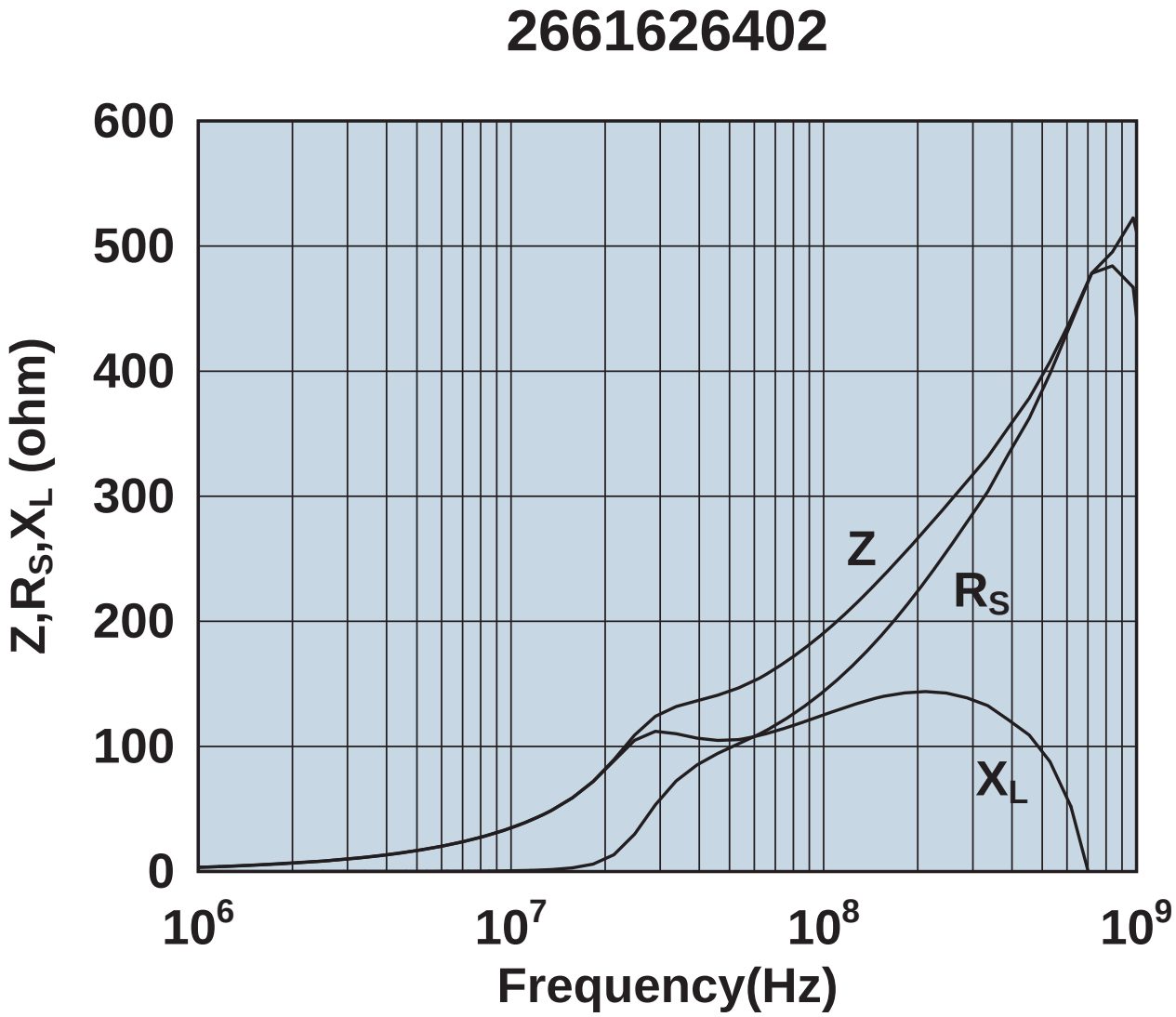
Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

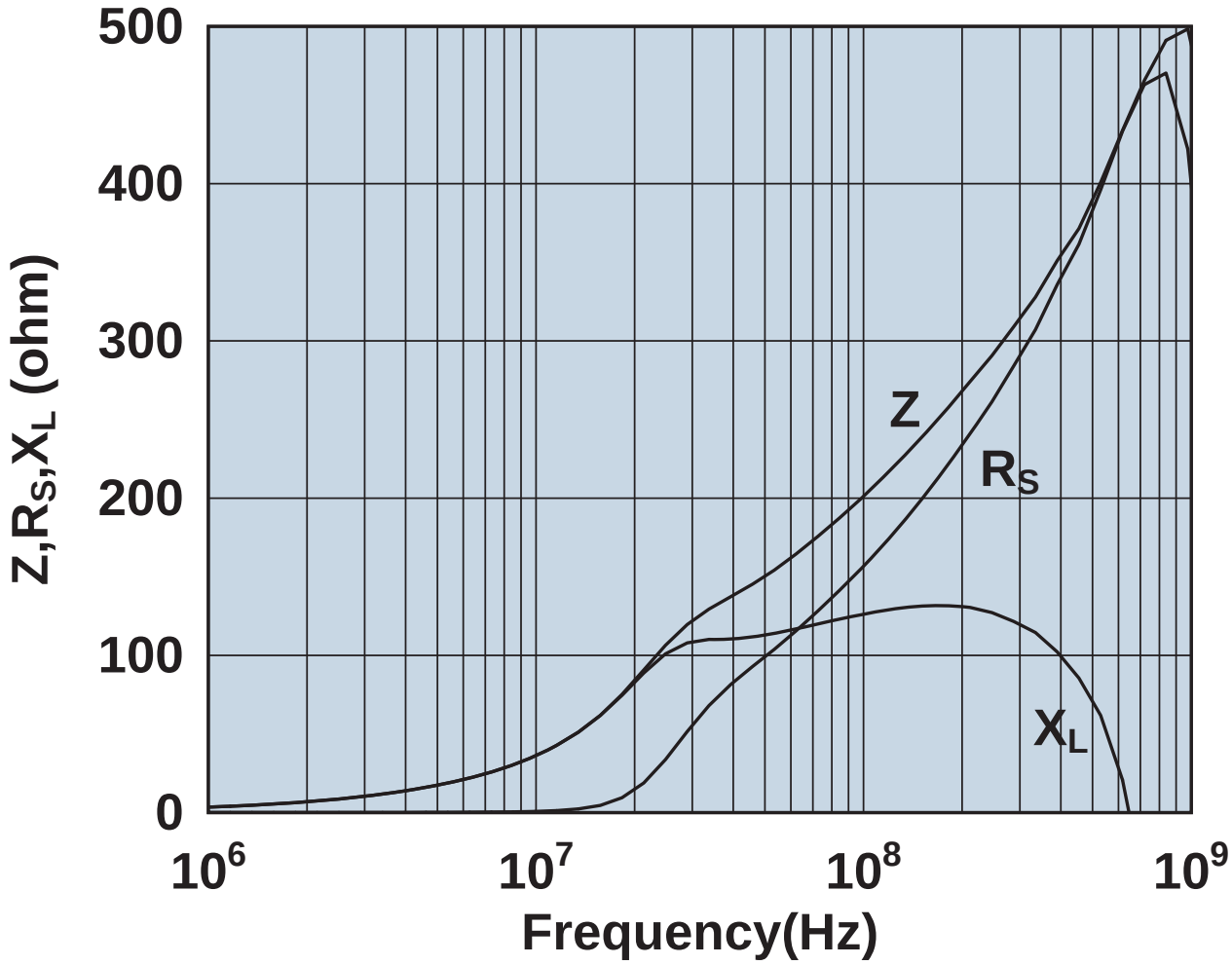


Impedance, reactance, and resistance vs. frequency.

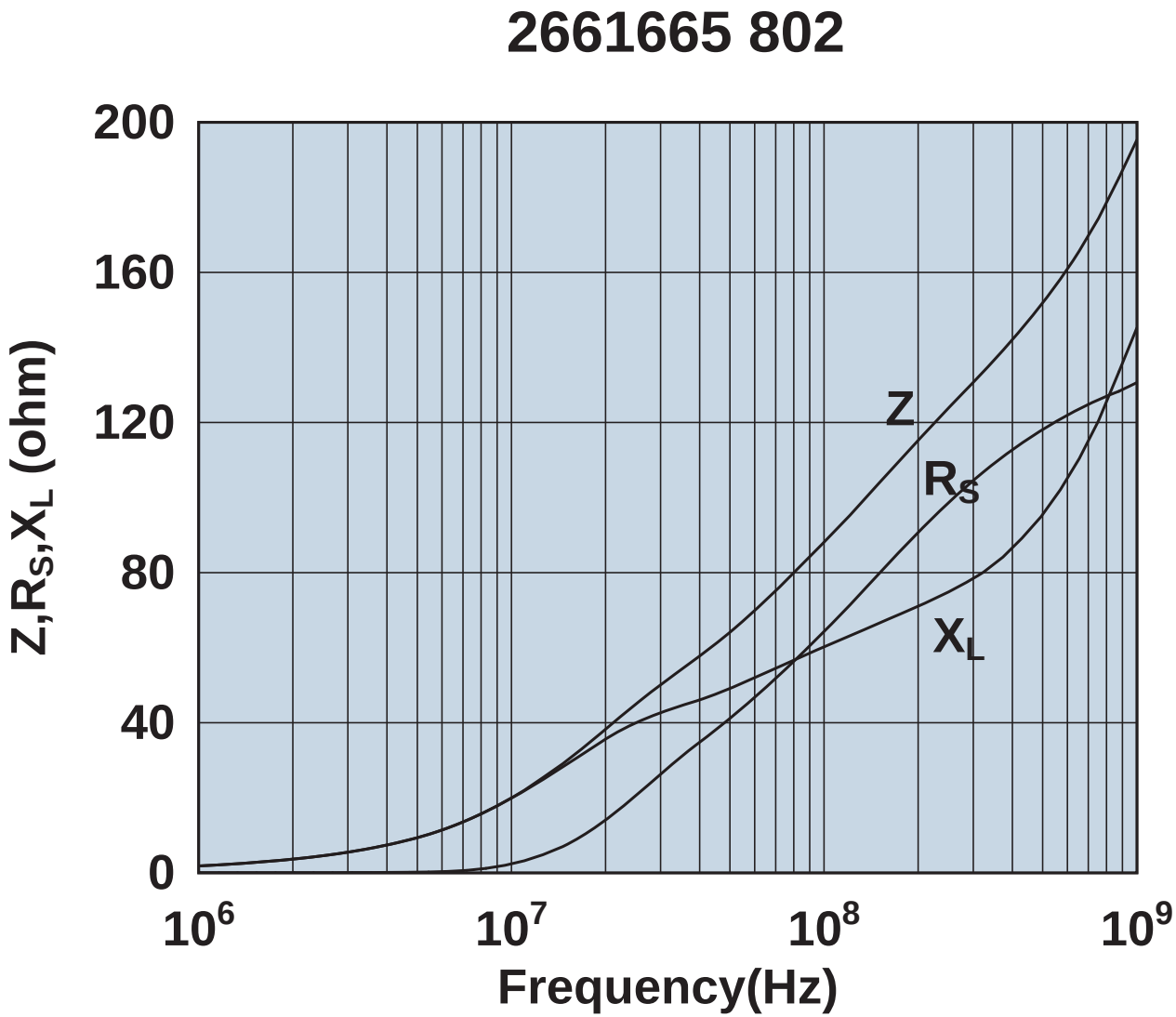


Impedance, reactance, and resistance vs. frequency.

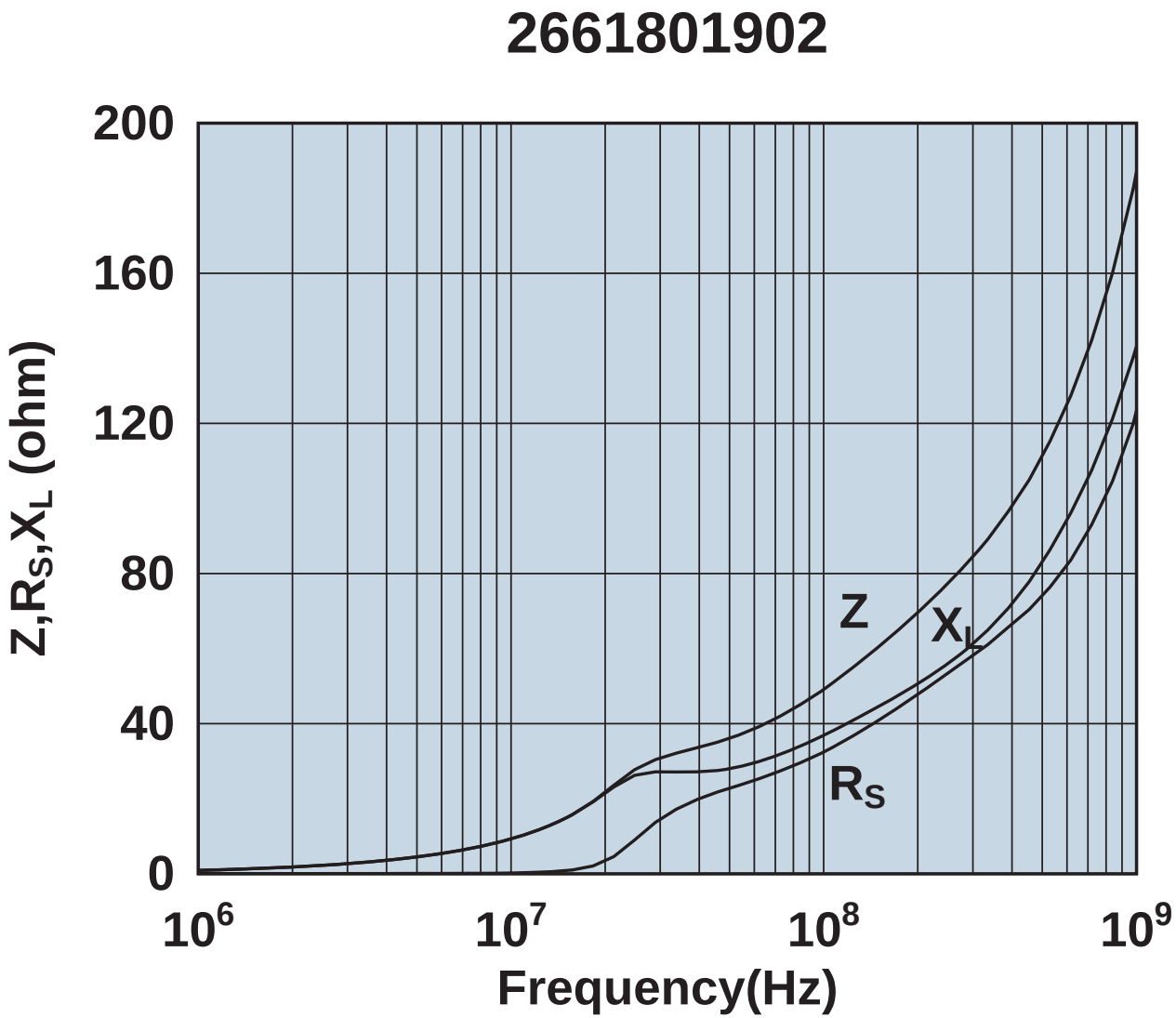
2661665702



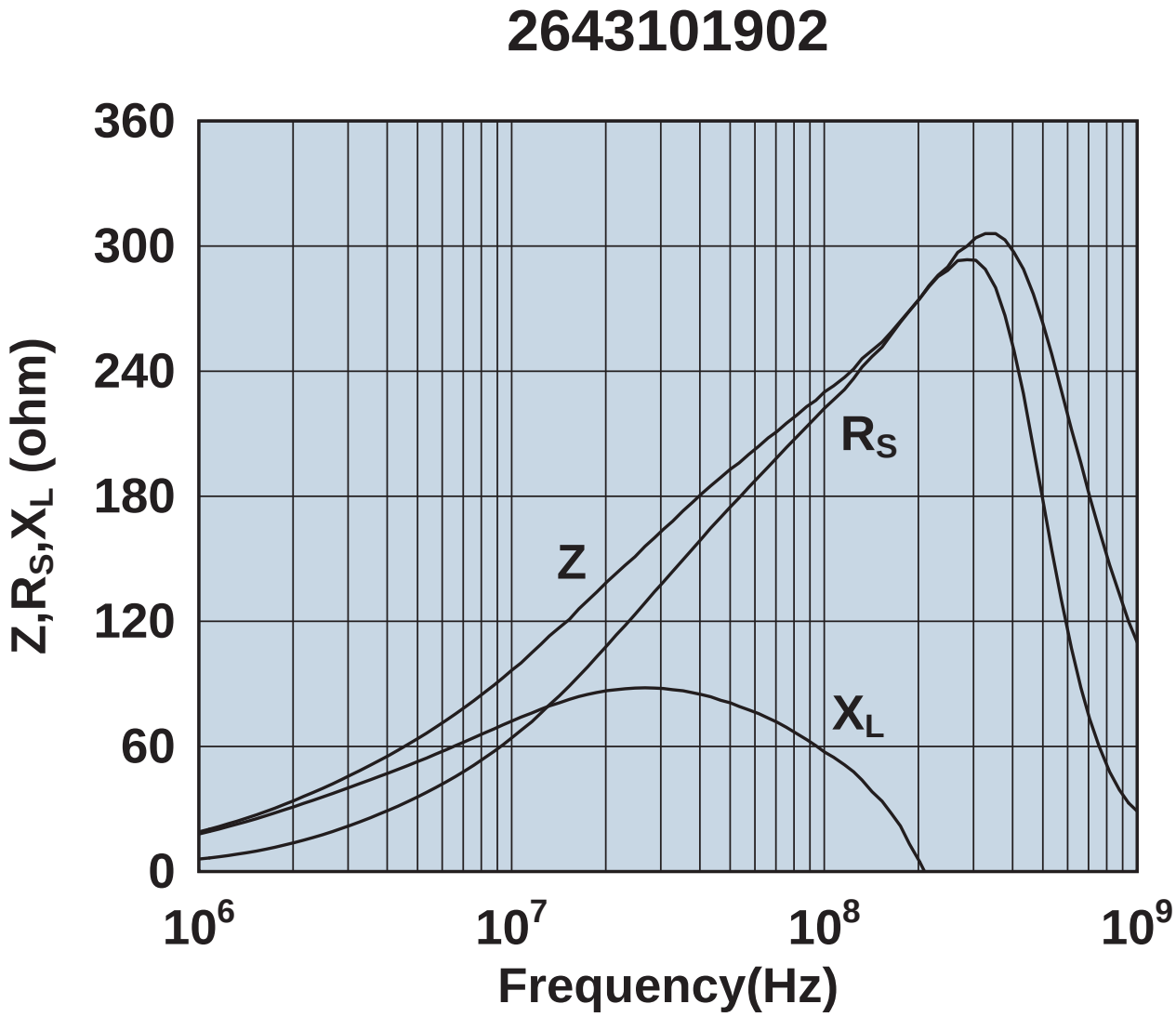
Impedance, reactance, and resistance vs. frequency.



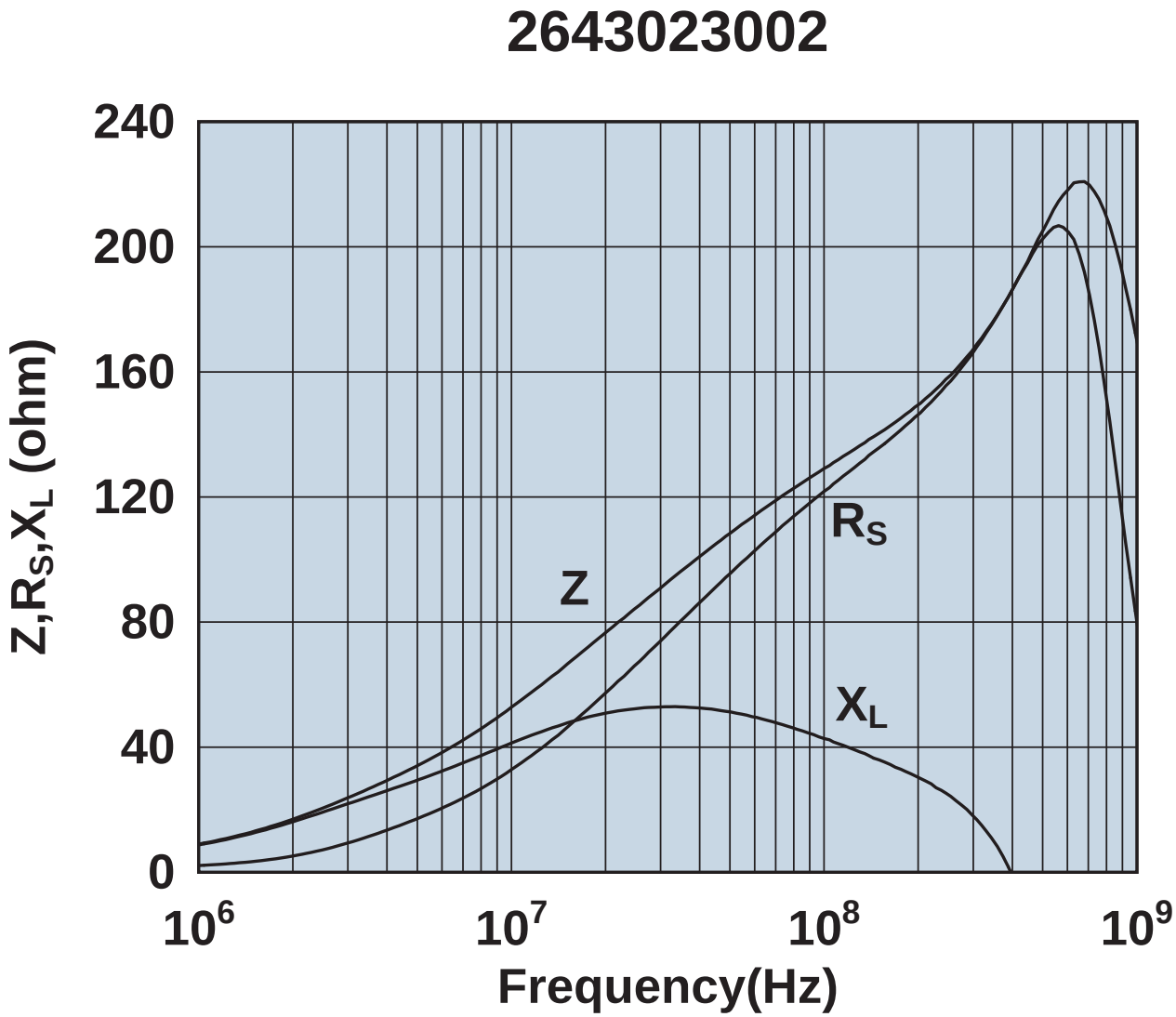
Impedance, reactance, and resistance vs. frequency.



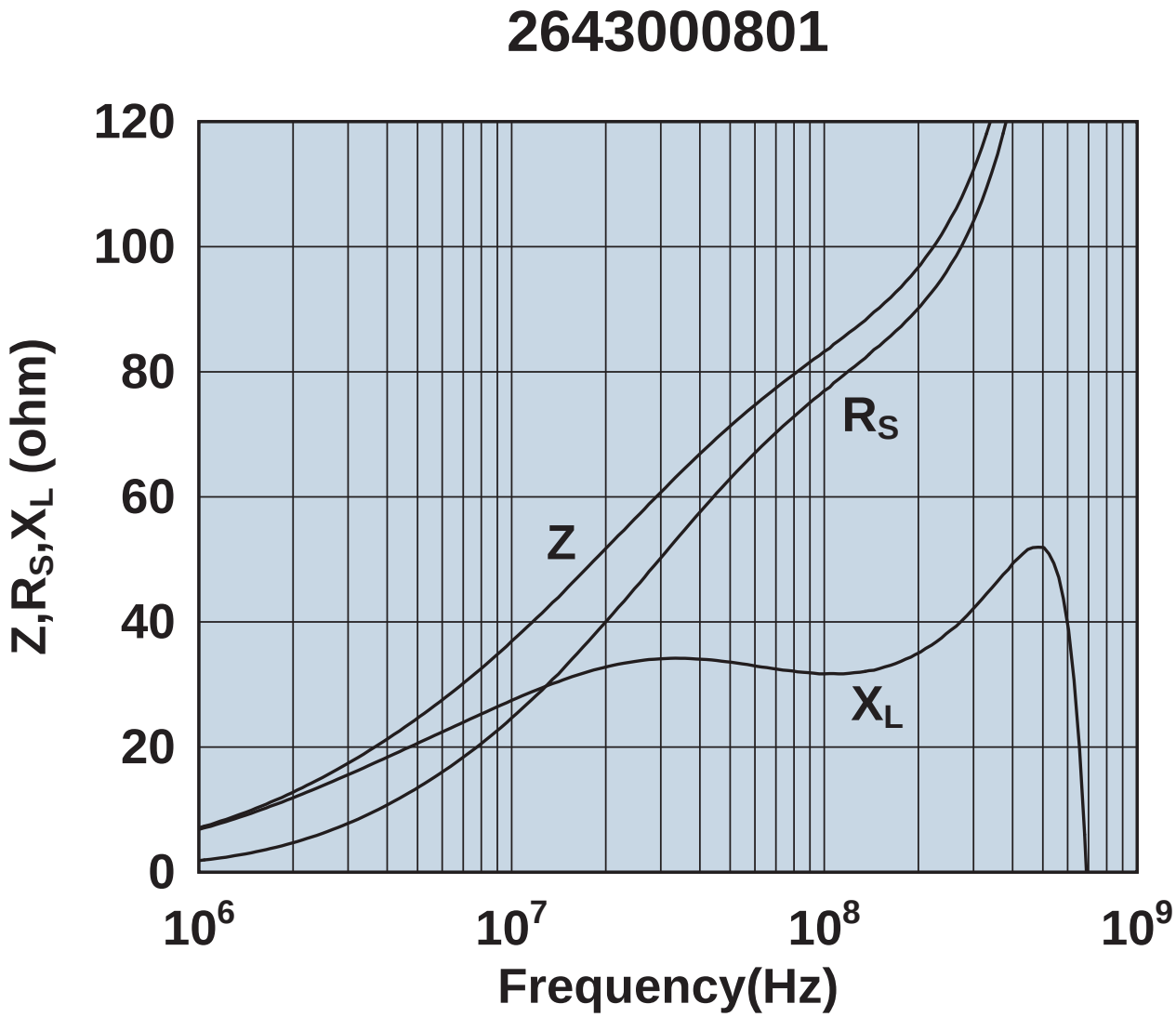
Impedance, reactance, and resistance vs. frequency.



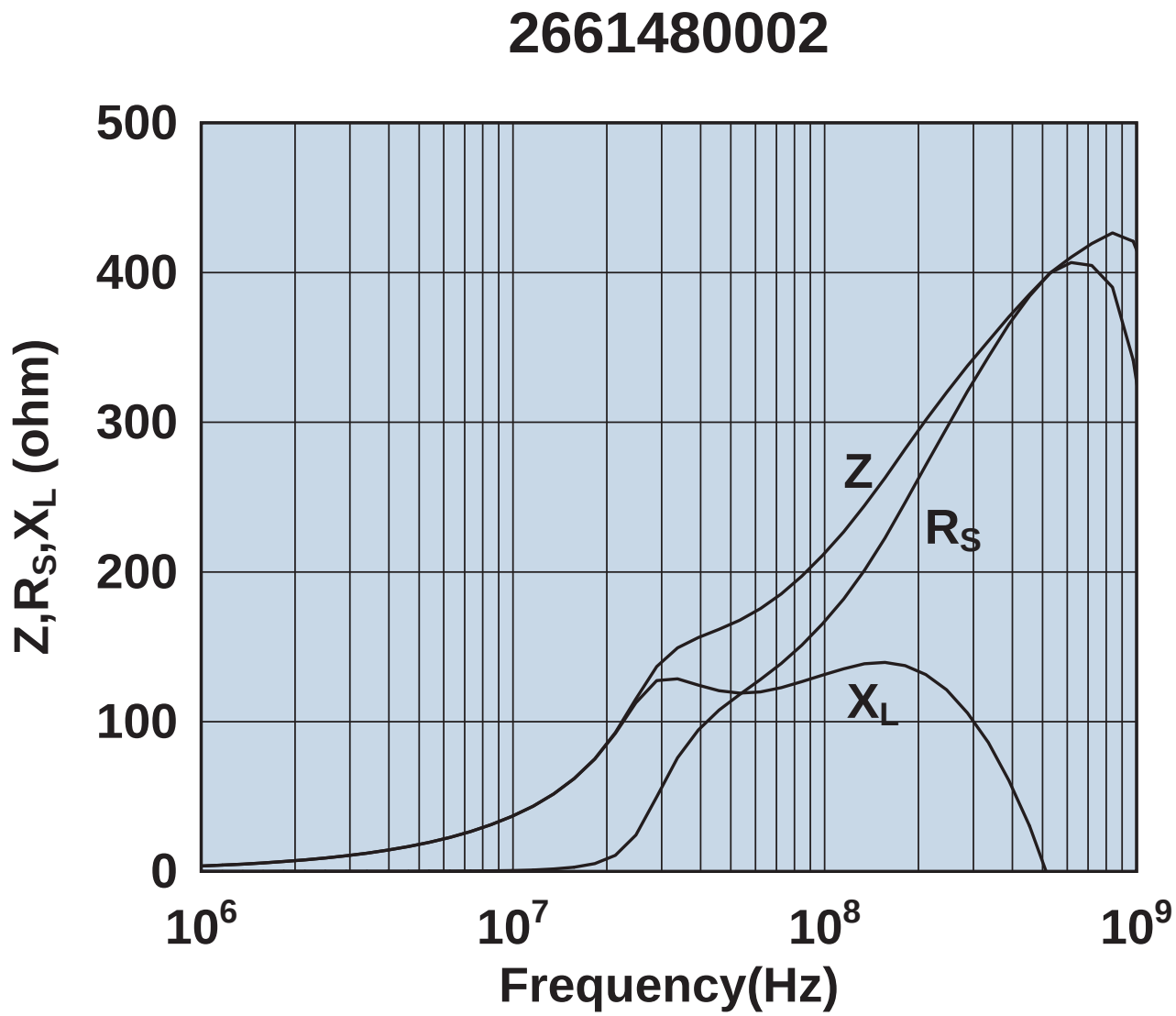
Impedance, reactance, and resistance vs. frequency.



Impedance, reactance, and resistance vs. frequency.

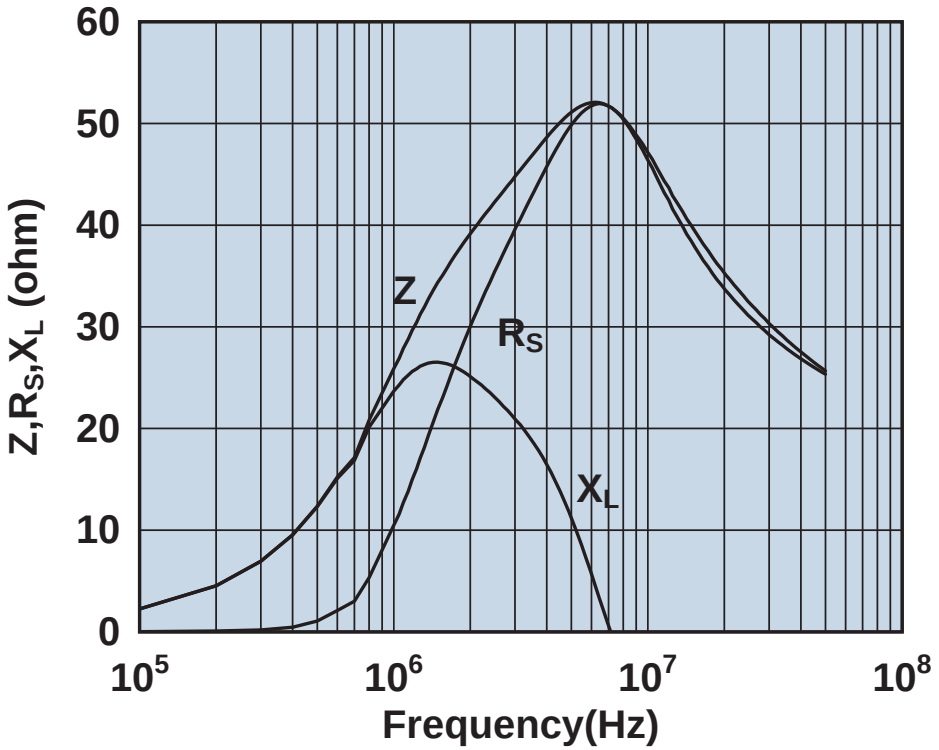


Impedance, reactance, and resistance vs. frequency.

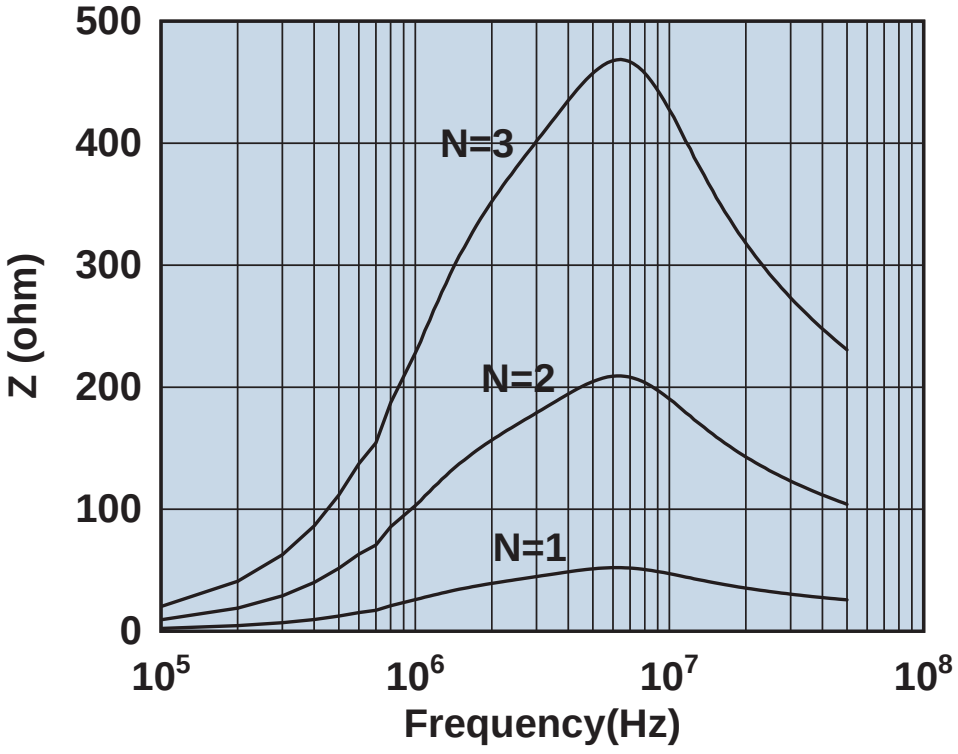


Impedance, reactance, and resistance vs. frequency.

2677006302

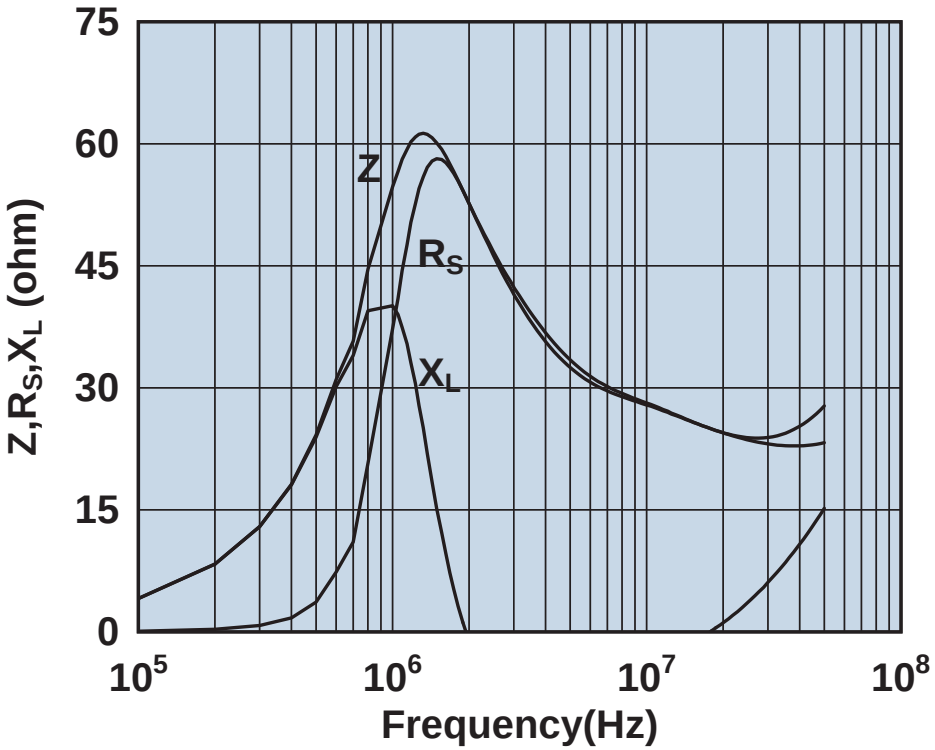


Impedance, reactance, and resistance vs. frequency.

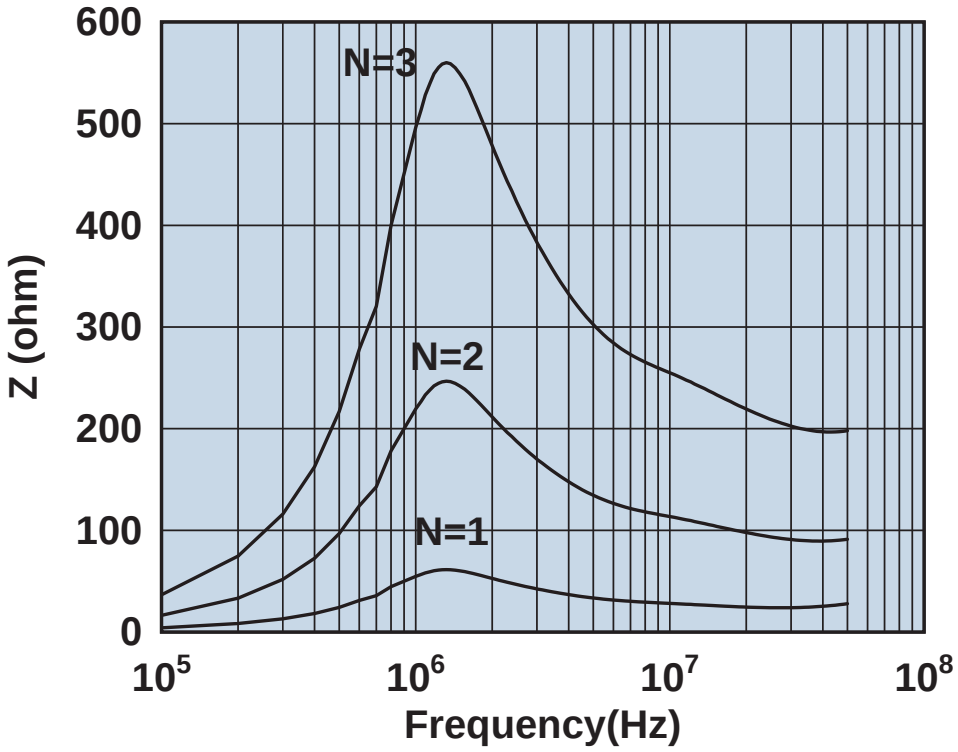


Impedance vs. frequency with one, two, and three turns.

2677102402



Impedance, reactance, and resistance vs. frequency.



Impedance vs. frequency with one, two, and three turns.

OCEAN CHIPS
Океан Электроники
Поставка электронных компонентов

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «**JONHON**», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «**FORSTAR**».

AVIC JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

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(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).

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