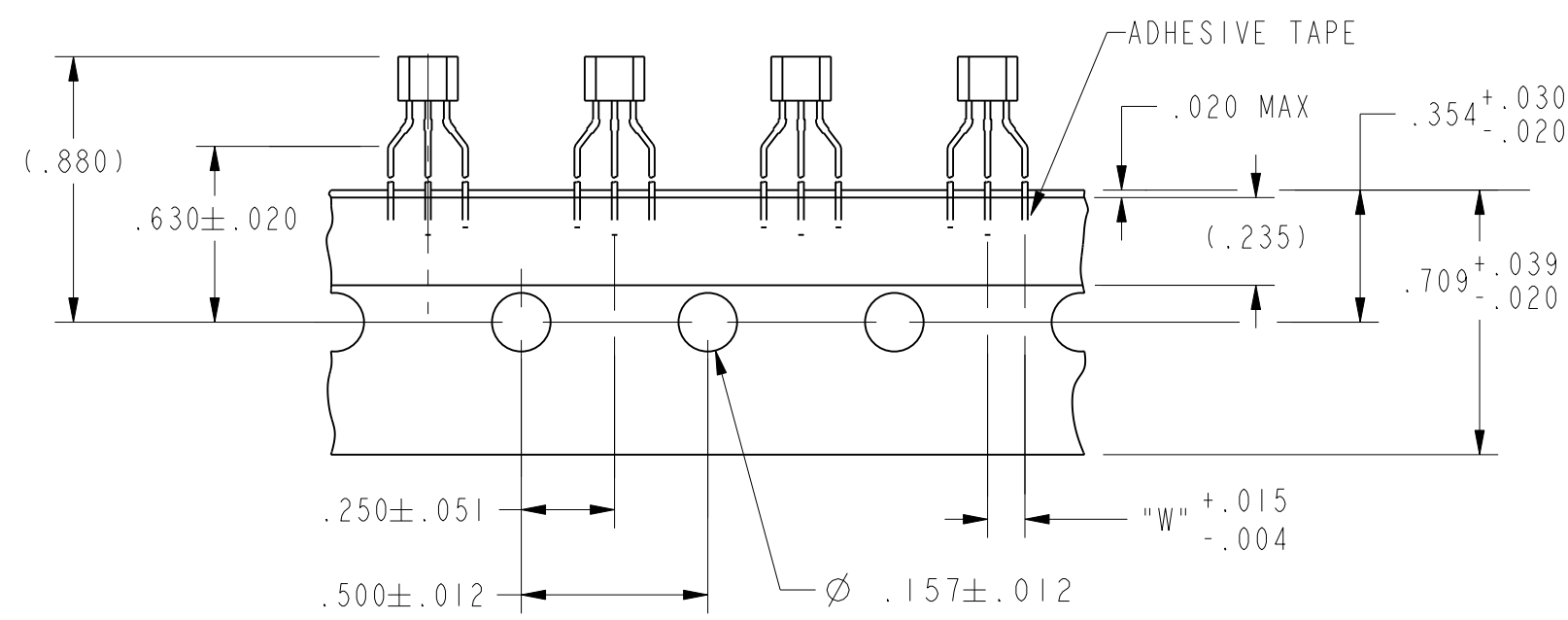
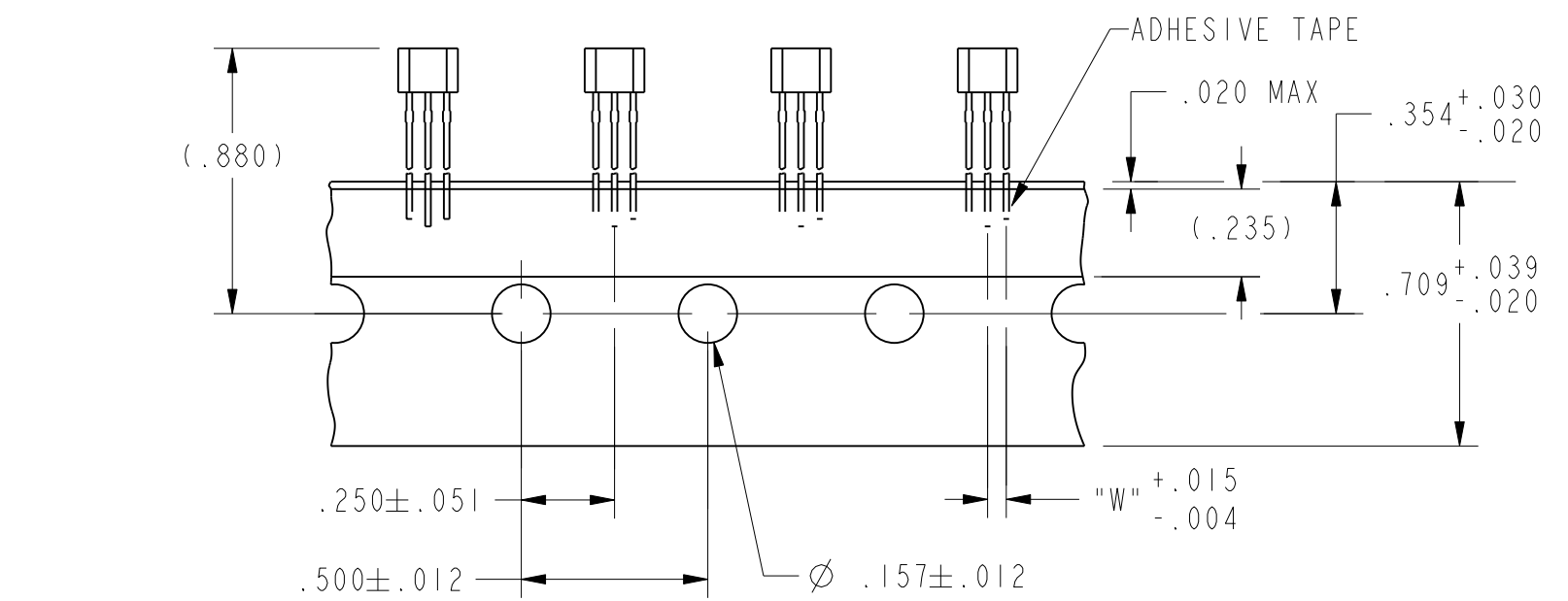
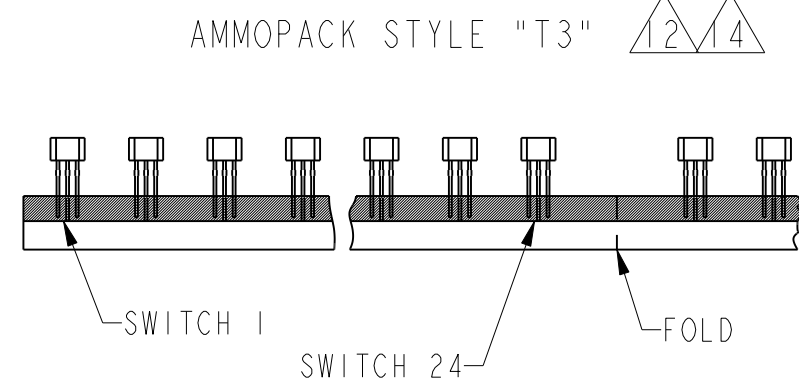
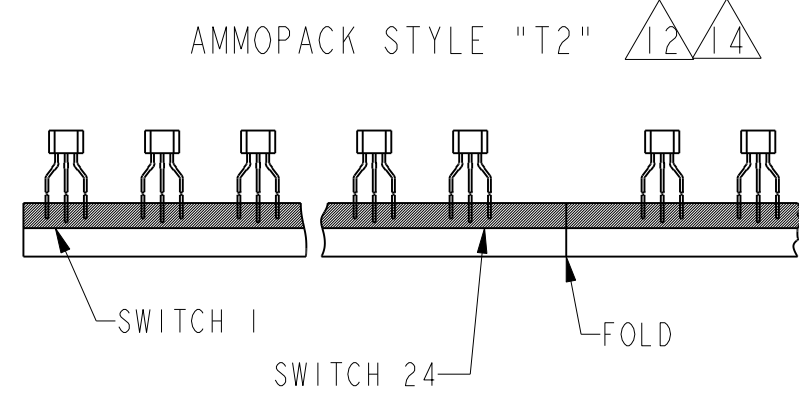


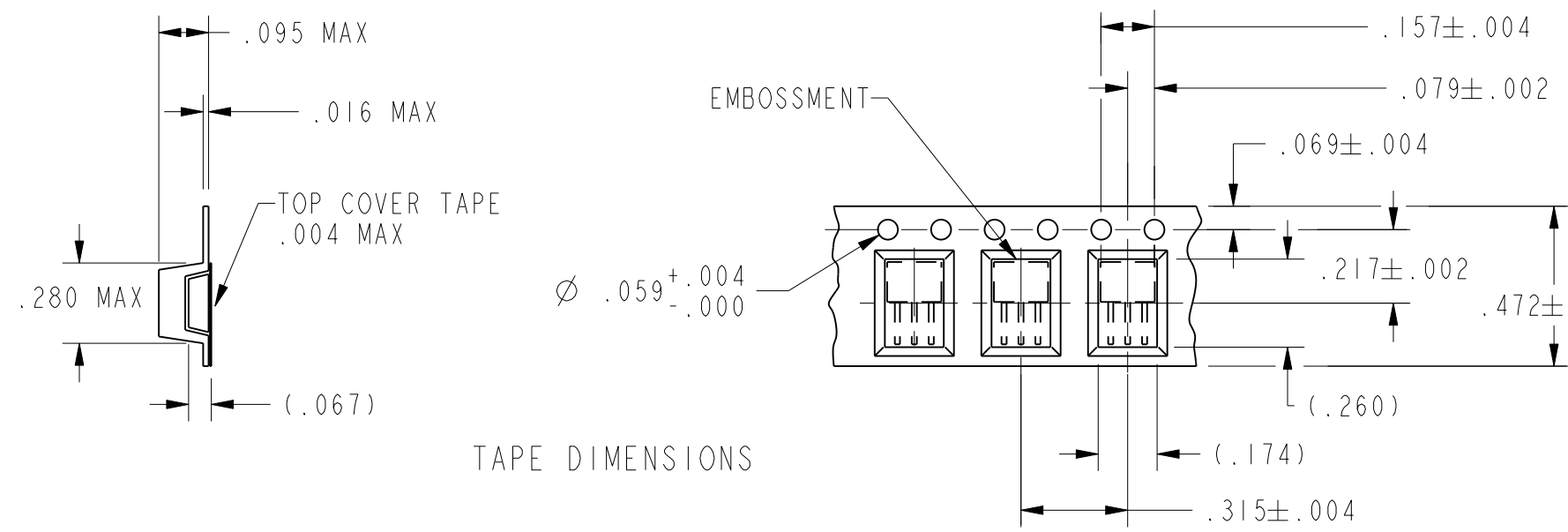


TAPE PACKING OPTIONS

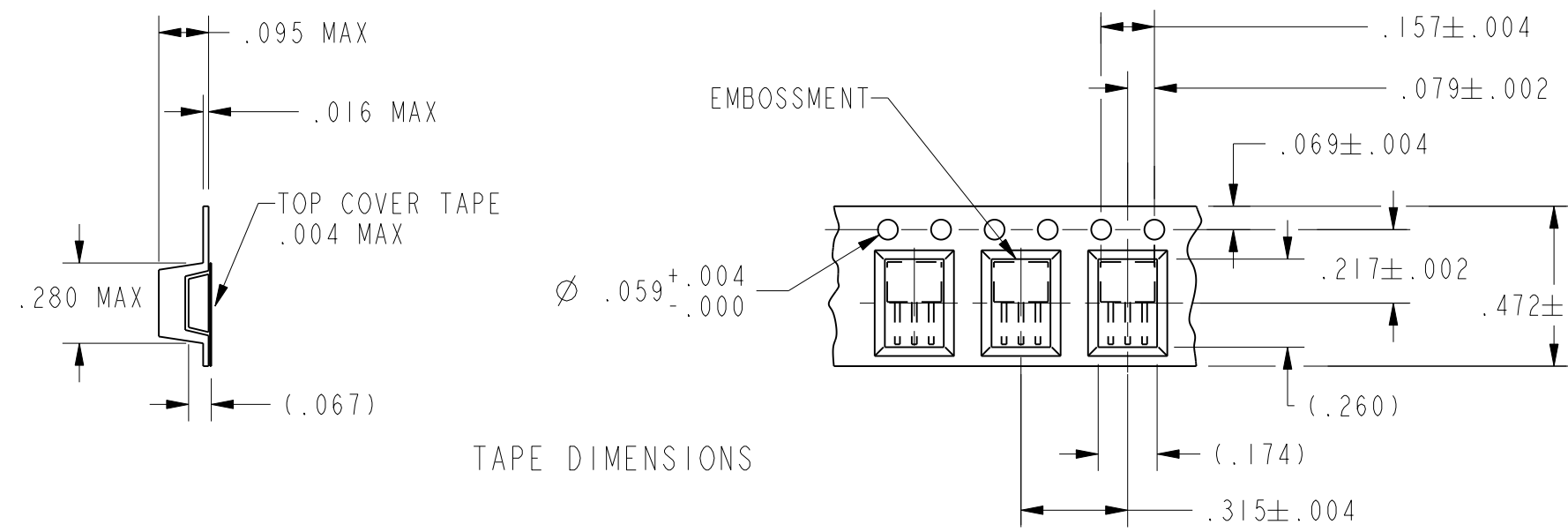
TAPE STYLE



TAPE DIMENSIONS

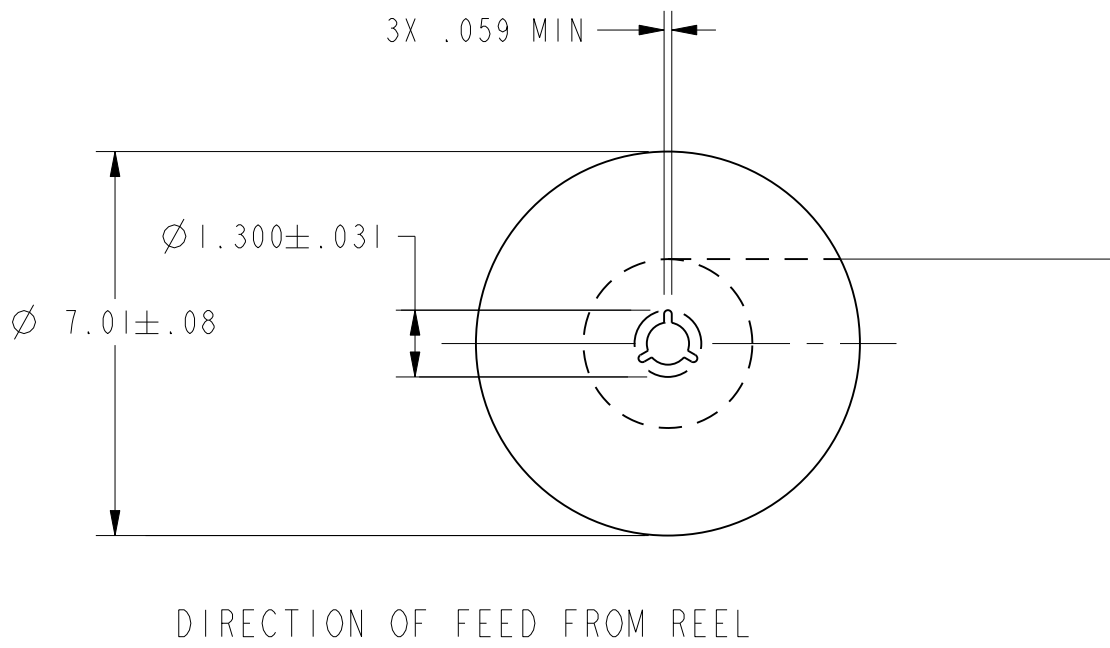


TAPE DIMENSIONS



TAPE DIMENSIONS

TAPE STYLE "P"

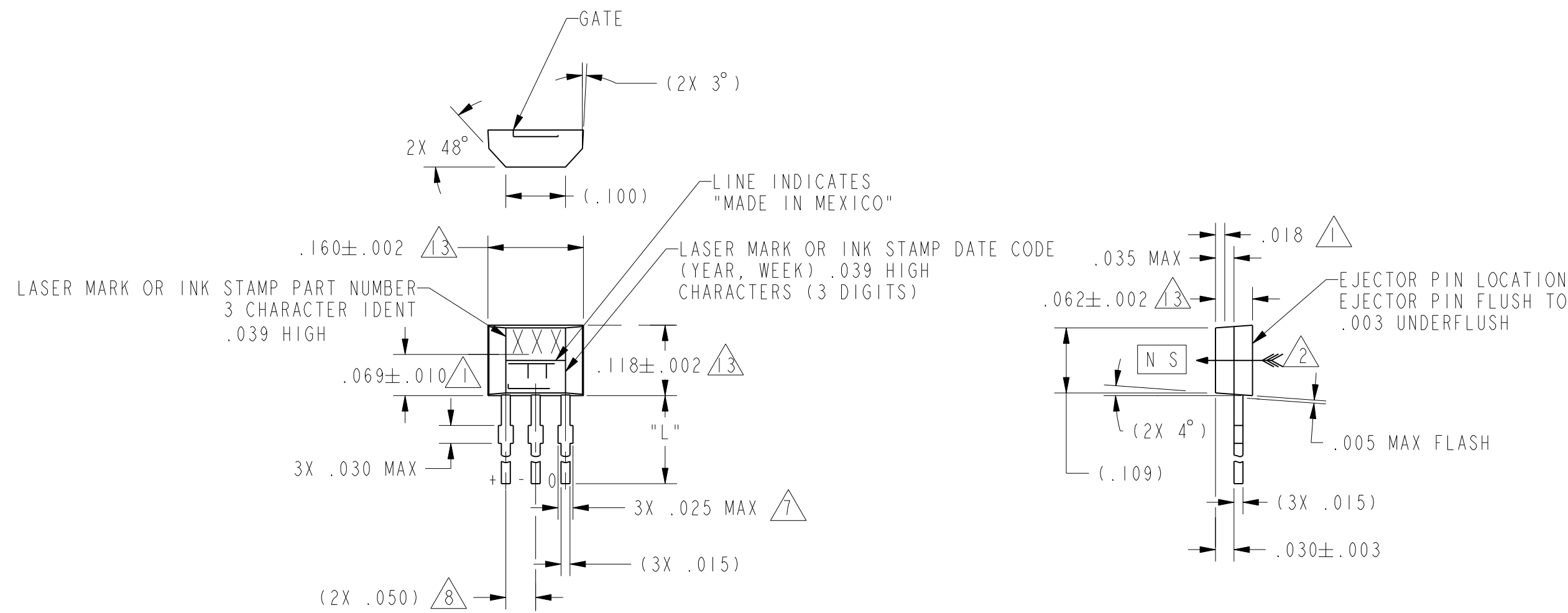


DIRECTION OF FEED FROM REEL

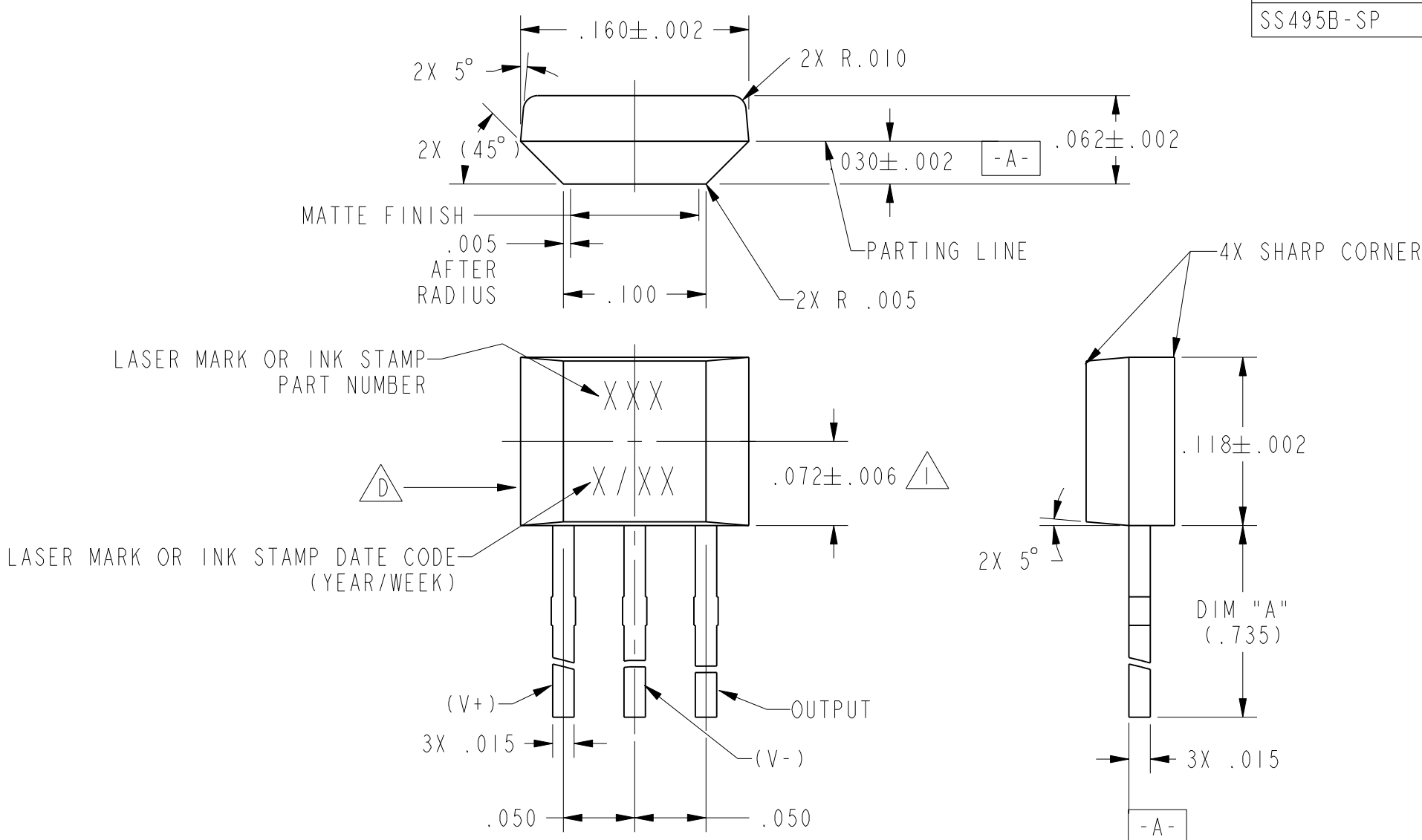
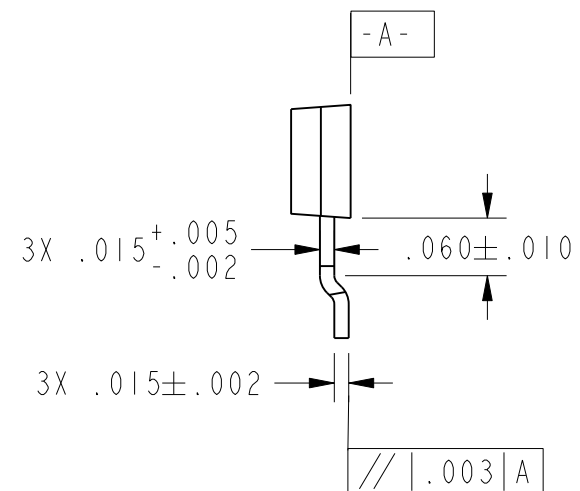
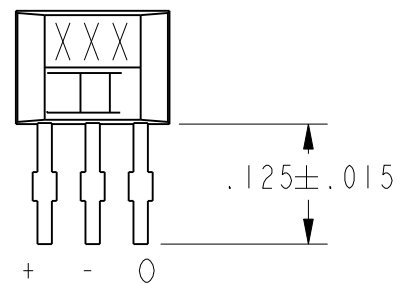
NOTES

- 1 - CENTERLINE OF HALL CELL
- 2 - THE + MAGNETIC FLUX IS IN THE DIRECTION SHOWN (THIS ASSUMES THE CONVENTION THAT THE DIRECTION OF THE EXTERNAL FLUX OF A MAGNET IS FROM THE NORTH TO THE SOUTH POLE OF THE MAGNET)
- 3 - THE DEVICE CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE
- 4 - OUTPUT TYPE - RATIOMETRIC
- 5 - LEADS MUST BE ADEQUATELY SUPPORTED DURING ANY FORMING/SHEERING OPERATION TO ASSURE THAT THE LEADS ARE NOT STRESSED WITHIN THE PLASTIC
- 6 - PCB WAVE SOLDERING GUIDELINES ARE AS FOLLOWS:
250°C PEAK FOR 10 S MAX OR 260° C PEAK FOR 5 S MAX.
- 7 - BURRS ARE ALLOWED ONLY IF FULL LENGTH OF LEADS WILL PASS THROUGH Ø .023 HOLE. LEAD REFERENCE DIMENSIONS DO NOT INCLUDE SOLDER THICKNESS
- 8 - DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THE EXIT THE PLASTIC PACKAGE
- 9 - SOME COMBINATIONS OF BASIC LISTING AND PACKAGE OPTIONS MAY NOT BE AVAILABLE
- 10 - ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THE DEVICE WILL MOMENTARILY WITHSTAND WITHOUT DAMAGE TO THE DEVICE. ELECTRICAL AND MAGNETIC CHARACTERISTICS ARE NOT GUARANTEED IF THE RATED VOLTAGE AND/OR CURRENTS ARE EXCEEDED NOR WILL THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATINGS
- 11 - LEAD STRAIGHTNESS MAY BE DETERIORATED ON SOME UNITS BY BULK PACKAGING. APPLICATIONS HAVING A CRITICAL LEAD STRAIGHTNESS REQUIREMENT SHOULD USE A TAPE PACKAGING OPTION
- 12 - AMMOPACK STYLE "T2" & "T3". 24 SWITCHES BETWEEN FOLDS, SKIP 1 SPACE AT FOLD. MAY BE REFERRED TO AS "FAN FOLD"
- 13 - MOLDED PART DIMENSIONS DO NOT INCLUDE FLASH. FLASH IS LIMITED TO .005 MAX
- 14 - TAPE AND AMMOPACK PER EIA-468
- 15 - POCKET TAPE PER EIA-481

CATALOG LISTING	TAPE STYLE	DIM "L"	DIM "W"	COMMENTS
SS495A	NONE	.590	.050	BULK - 1000/BAG
SS495A-T2	T2	.590	.100	5000/BOX
SS495A-T3	T3	.590	.050	5000/BOX
SS495A-S	NONE	.125	.050	BULK - 1000/BAG
SS495A-SP	P	.125	.050	1000/PACKET TAPE AND REEL
SS495A1	NONE	.590	.050	BULK - 1000/BAG
SS495A1-T2	T2	.590	.100	5000/BOX
SS495A1-T3	T3	.590	.050	5000/BOX
SS495A1-S	NONE	.125	.050	BULK - 1000/BAG
SS495A1-SP	P	.125	.050	1000/PACKET TAPE AND REEL
SS495A2	NONE	.590	.050	BULK - 1000/BAG
SS495A2-S	NONE	.125	.050	BULK - 1000/BAG
SS495A2-SP	P	.125	.050	1000/PACKET TAPE AND REEL
SS495A2-T2	T2	.590	.100	5000/BOX
SS495A2-T3	T3	.590	.050	5000/BOX
SS495A-L	NONE	.735	.050	BULK - 1000/BAG
SS495A1-L	NONE	.735	.050	BULK - 1000/BAG
SS495A2-L	NONE	.735	.050	BULK - 1000/BAG
SS495B	NONE	.590	.050	BULK - 1000/BAG
SS495B-T2	T2	.590	.100	5000/BOX
SS495B-T3	T3	.590	.050	5000/BOX
SS495B-S	NONE	.125	.050	BULK - 1000/BAG
SS495B-SP	P	.125	.050	1000/PACKET TAPE AND REEL



OPTIONAL SURFACE MOUNT LEAD STYLE



LEAD STYLES L ONLY
SCALE 10:1



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FED. MFG. CODE 91929	SS495 SERIES CHART 1
MICRO SWITCH a Honeywell Division	MINIATURE RATIOMETRIC LINEAR HALL EFFECT SENSOR

THIRD ANGLE PROJECTION	
SCALE	5:1
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE	(.0) +.030
TWO PLACE	(.00) +.015
THREE PLACE	(.000) +.005
ANGLES	+2°
WEIGHT	

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	TA = 25°C	3.00	3.125	3.25	mV/GAUSS
NULL	TA = 25°C	2.425	2.50	2.575	VOLTS
SUPPLY CURRENT	TA = 25°C		7	8.7	mA
OUTPUT CURRENT SOURCE SINK SINK	Vs > 4.5	1mA	1.5mA		
	Vs > 4.5	.6mA	1.5mA		
	Vs > 5.0	1mA	1.5mA		
RESPONSE TIME			3μs		
OUTPUT VOLTAGE SWING VOM - VOM +					
	-B APPLIED	.4	.2		VOLTS
	+B APPLIED	Vs -.4	Vs -.2		VOLTS
B LIMITS FOR LINEAR OPERATION	-B MAX	-600	-670		GAUSS
	+B MAX	+600	+670		GAUSS
Vnull DRIFT	B = 0, TA = 25°C TO 125°C	-.06		+.06	% /°C
Vnull DRIFT	B = 0, TA = -125°C TO +150°C	-.08		+.08	% /°C
SENSITIVITY DRIFT	TA = +25°C TO +150°C	-.01		+.05	% /°C
SENSITIVITY DRIFT	TA = -40°C TO +25°C	0		+.06	% /°C
LINEARITY	B = -600 TO +600	0	-1.0	-1.5	% OF SPAN
SUPPLY VOLTAGE	-40°C TO +125°C	4.5	5.0	10.5	VOLTS
OPERATING TEMP	SEE MAX TEMPERATURE CHART	-40		+150	°C

10

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNITS
SUPPLY VOLTAGE	V _{cc}		-0.5	II	V
OUTPUT VOLTAGE	V _{out}		-0.5	II	V
OUTPUT CURRENT	I _{out}	SOURCE OR SINK		10	mA
TEMPERATURE	T _A	OPERATING	-55	150	°C
	T _s	STORAGE (V _{cc} =0)	-55	165	°C

The graph plots the percentage shift from the 25°C value against temperature in degrees Celsius. The y-axis ranges from -8 to 8, and the x-axis ranges from -50 to 150. Two lines intersect at 25°C (0% shift). The upper line is labeled 'MAX' and the lower line is labeled 'MIN'. A horizontal line at 0% shift is labeled 'V_S = 0'.

Temperature (°C)	MAX (% Shift)	MIN (% Shift)
-40	4	-4
-10	2	-2
25	0	0
50	2	-2
85	4	-4
100	5	-5
125	6	-6
150	8	-8

The graph shows the null voltage as a percentage of the supply voltage (V_s) for the MAX5210 across a range of supply voltages from 4V to 10V. The y-axis represents the null voltage as a percentage of V_s , ranging from 46 to 54. The x-axis represents the supply voltage, ranging from 4 to 10V. A vertical dashed line is drawn at 4.5V. Three curves are plotted: MAX (maximum null voltage), NOM (nominal null voltage), and MIN (minimum null voltage). The MAX curve starts at approximately 52.0% at 4.5V and increases to about 53.2% at 10V. The NOM curve is a flat line at 50.0%. The MIN curve starts at approximately 48.2% at 4.5V and decreases to about 47.2% at 10V.

Supply Voltage (V)	MAX (%)	NOM (%)	MIN (%)
4.5	52.0	50.0	48.2
5.0	51.6	50.0	48.5
6.0	52.0	50.0	48.2
7.0	52.3	50.0	48.0
8.0	52.6	50.0	47.8
9.0	52.9	50.0	47.5
10.0	53.2	50.0	47.2

Graph showing the percentage shift from the 25°C value versus temperature for the MAX and MIN curves.

TEMPERATURE - °C	MAX (% SHIFT FROM 25°C VALUE)	MIN (% SHIFT FROM 25°C VALUE)
-50	-4.0	-
-40	-2.4	-
-10	-0.8	-
25	0.0	0.0
50	1.6	-0.2
85	3.2	-0.5
100	4.0	-0.7
125	5.2	-0.9
150	6.4	-1.5

Figure 1 is a line graph showing Sensitivity (VOLT) on the Y-axis (ranging from 0.59 to 0.67) versus Supply Voltage on the X-axis (ranging from 4 to 10). Three curves are plotted: MAXIMUM SENSITIVITY (top), NOMINAL SENSITIVITY (middle), and MINIMUM SENSITIVITY (bottom). All curves show a slight increase in sensitivity with increasing supply voltage. A vertical dashed line is drawn at 4.5V.

Supply Voltage (V)	Maximum Sensitivity (V)	Nominal Sensitivity (V)	Minimum Sensitivity (V)
4.5	0.653	0.622	0.593
5.0	0.651	0.625	0.600
6.0	0.654	0.627	0.601
7.0	0.656	0.629	0.602
8.0	0.658	0.631	0.603
9.0	0.660	0.632	0.604
10.0	0.662	0.634	0.605

The graph plots the percentage of span against supply voltage. The x-axis represents supply voltage from 4 to 10V, and the y-axis represents the percentage of span from 0 to -3%. Three sets of lines are shown for typical (TYP) and maximum (MAX) values at -40°C, 25°C, and 125°C. A dashed vertical line at 4.5V and a solid line connecting (4.5, -1.6) and (8, -2.4) define the operating range.

Supply Voltage (V)	TYP -40°C (%)	TYP 25°C (%)	TYP 125°C (%)	MAX 125°C (%)	MAX 150°C (%)
4.5	-0.4	-0.6	-0.8	-1.3	-1.5
5.0	-0.5	-0.7	-0.9	-1.4	-1.6
6.0	-0.6	-0.8	-1.0	-1.6	-1.8
7.0	-0.7	-0.9	-1.1	-1.8	-2.0
8.0	-0.8	-1.0	-1.2	-2.0	-2.2
9.0	-0.9	-1.1	-1.3	-2.2	-2.4
10.0	-1.0	-1.2	-1.4	-2.4	-2.6

Graph of Output Voltage (V_{out}) vs. Gauss for the AD575. The x-axis is Gauss, ranging from -640 to 640. The y-axis is V_{out} , ranging from 0 to 4.5 Volts. A solid line represents the typical output, passing through (0, 2.5) and (640, 4.5). A dashed line represents the minimum output, passing through (-640, 0.5) and (0, 2.5).

Figure 1 is a line graph showing the typical supply current (mA) versus temperature (°C) for the device. The graph includes four curves representing different supply voltage conditions and typical values.

Temperature (°C)	MAX $V_s = 8$ (mA)	TYP $V_s = 8$ (mA)	MAX $V_s = 5$ (mA)	TYP $V_s = 5$ (mA)
-40	19.0	15.5	11.0	9.0
25	14.5	12.0	8.5	7.0
150	13.5	10.0	8.0	5.5

The graph shows the ratio of output voltage to the output voltage at 1 kHz as a function of frequency. The y-axis is labeled 'RATIO (Vout/Vout AT 1kHz)' and ranges from 0.65 to 1.05. The x-axis is labeled 'FREQUENCY (kHz)' and ranges from 0 to 50. A vertical dashed line is drawn at 5 kHz. Two curves are plotted: a dashed line for $V_s = 5.0$ and a solid line for $V_s = 10.0$. Both curves start at a ratio of 1.0 at 10 kHz. The $V_s = 5.0$ curve decreases more rapidly than the $V_s = 10.0$ curve.

Frequency (kHz)	Ratio ($V_s = 5.0$)	Ratio ($V_s = 10.0$)
10	1.00	1.00
20	0.96	1.00
30	0.86	0.95
40	0.76	0.86
50	0.66	0.77

A graph showing the relationship between Supply Voltage (Y-axis) and Ambient Temperature (X-axis). The Y-axis has markings at 4.5 and 10.5. The X-axis has markings at 125° and 150°. A horizontal line is drawn at 4.5V. A vertical line is drawn at 125°C. A diagonal line connects the point (125°C, 10.5V) to the point (150°C, 5.5V). The area bounded by the 4.5V line, the 125°C line, the diagonal line, and the 150°C line is cross-hatched. An arrow points to this hatched area with the text: "CROSS HATCHED AREA IS ACCEPTABLE OPERATING REGION". The point (150°C, 5.5V) is labeled "5.5V, 150°C".



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FED. MFG. CODE 91929
MICRO SWITCH
a Honeywell Division

MINIATURE RATIOMETRIC LINEAR HALL EFFECT SENSOR

CATALOG LISTING

SS495 SERIES CHART 1

THIRD ANGLE PROJECTION		
SCALE		
NONE		
DO NOT SCALE PRINT		
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE		
ONE PLACE	(.0)	+
TWO PLACE	(.00)	+
THREE PLACE	(.000)	+
ANGLES		+2
WEIGHT		

THIRD ANGLE PROJECTION	
	
SCALE	NONE
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE	(.0) +.030
TWO PLACE	(.00) +.015
THREE PLACE	(.000) +.005
ANGLES	+2°
WEIGHT	

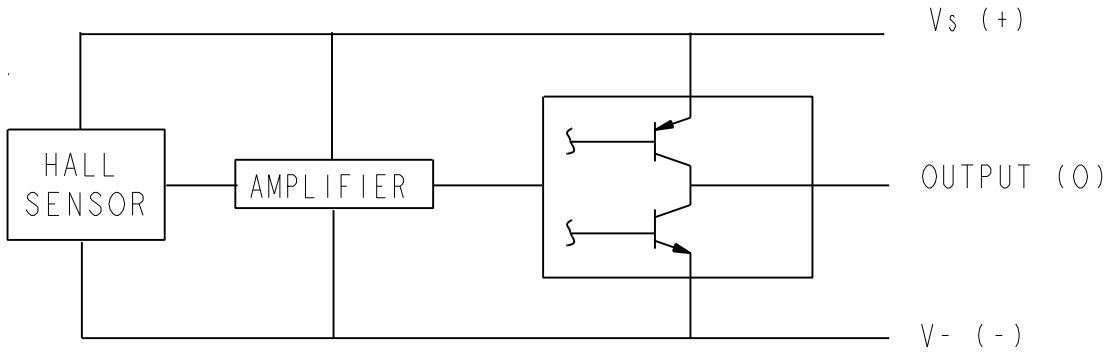
CHARACTERISTICS ARE AT Vs=5.00 WITH 4.7K OUTPUT TO MINUS WITH TA -40°C TO +125°C UNLESS OTHERWISE SPECIFIED

SS495A2

SS495 SERIES CHART 1

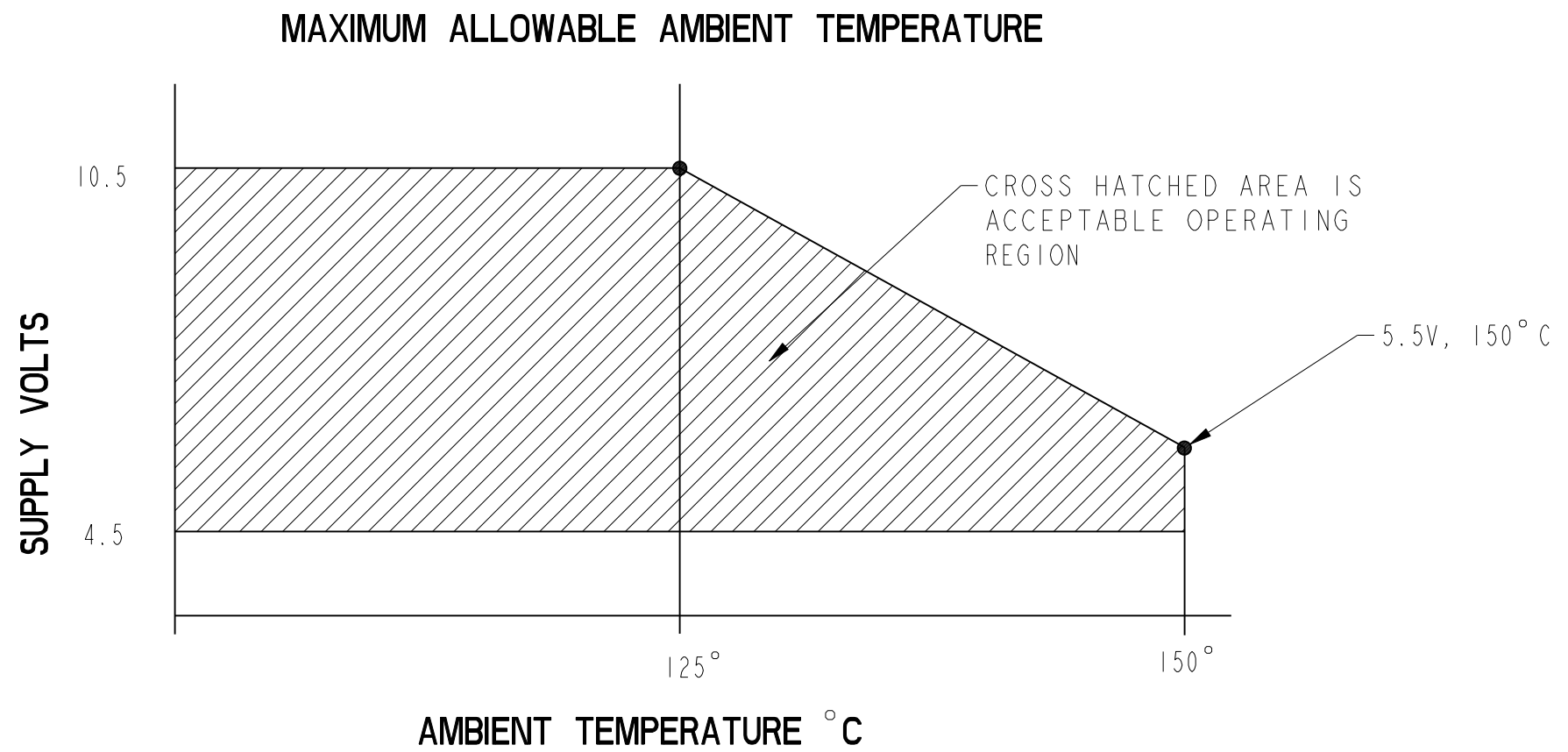
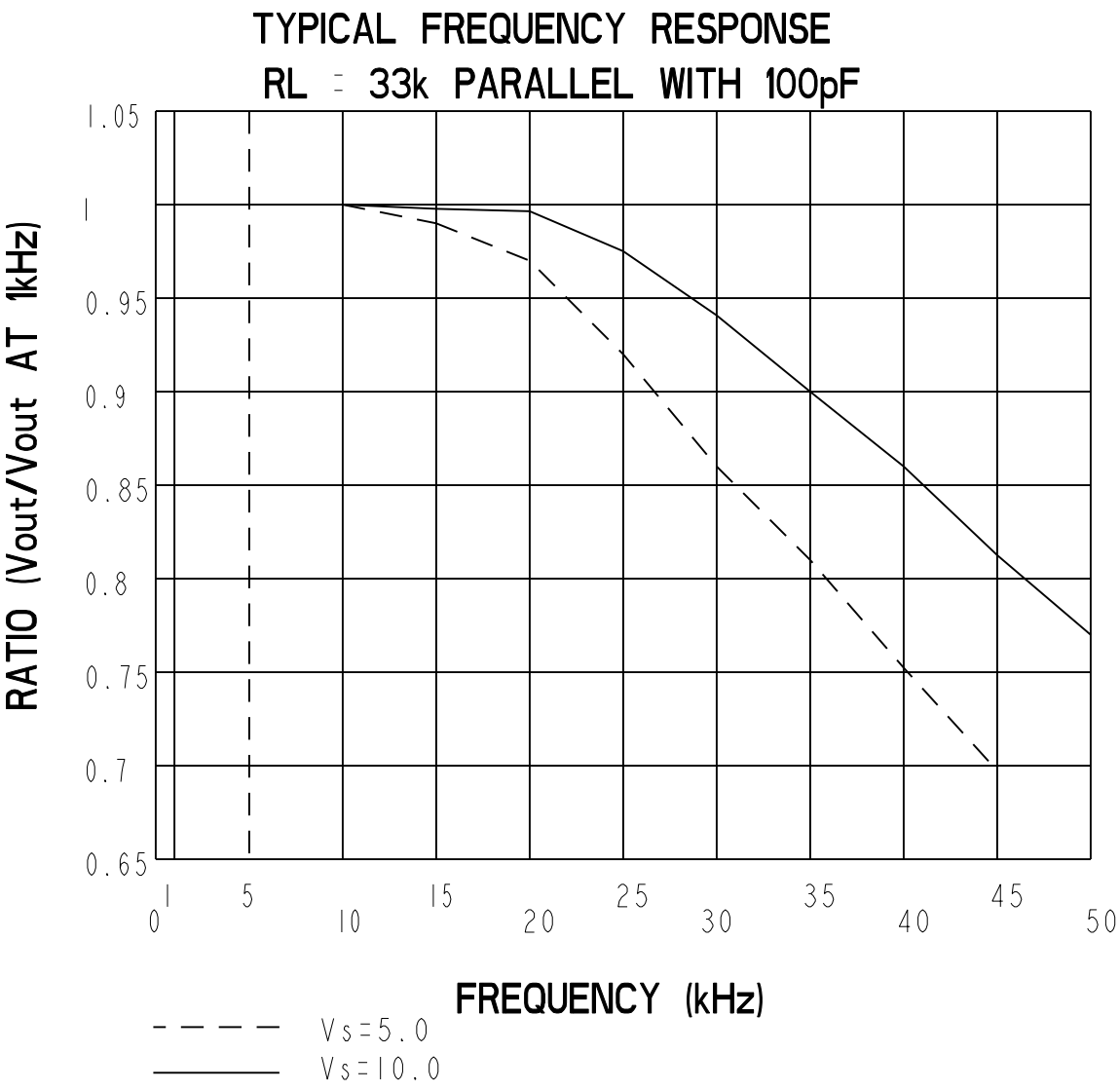
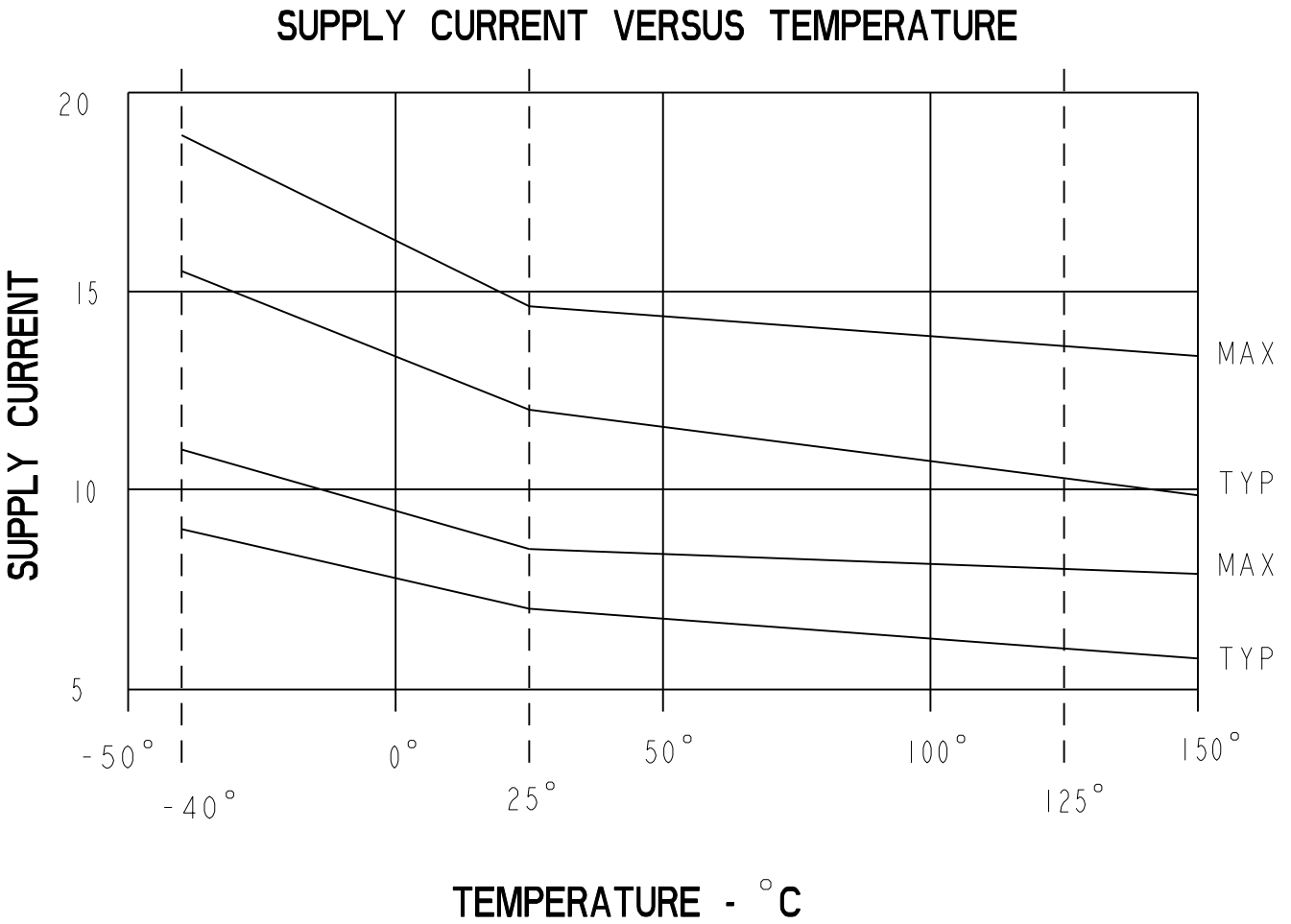
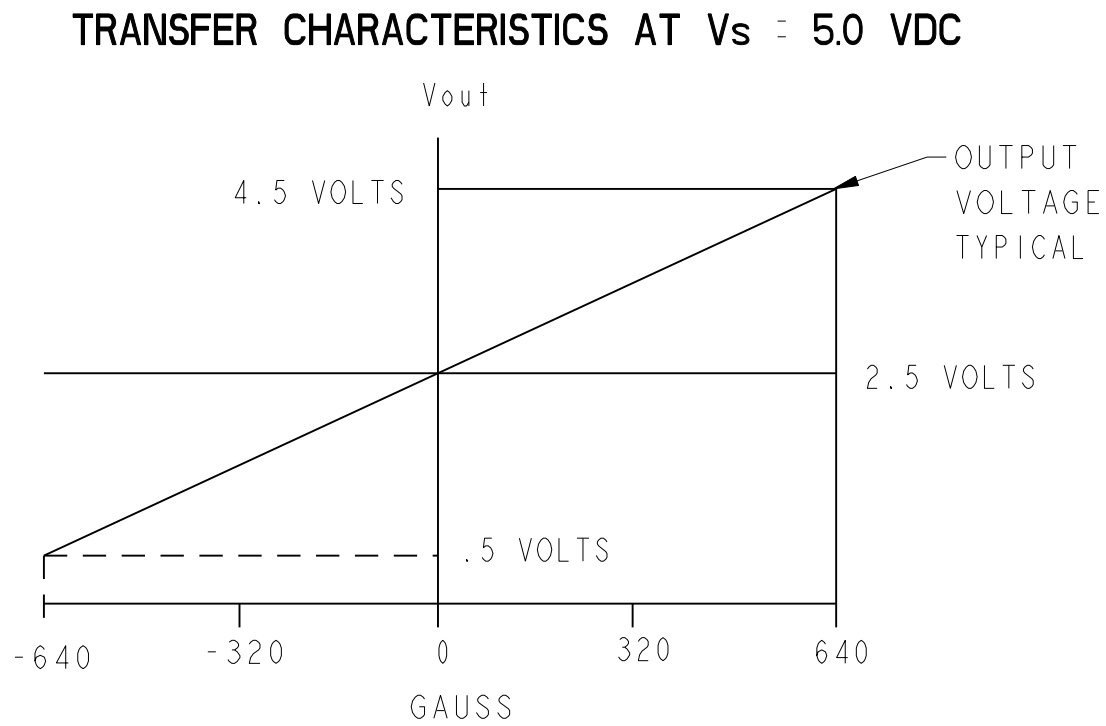
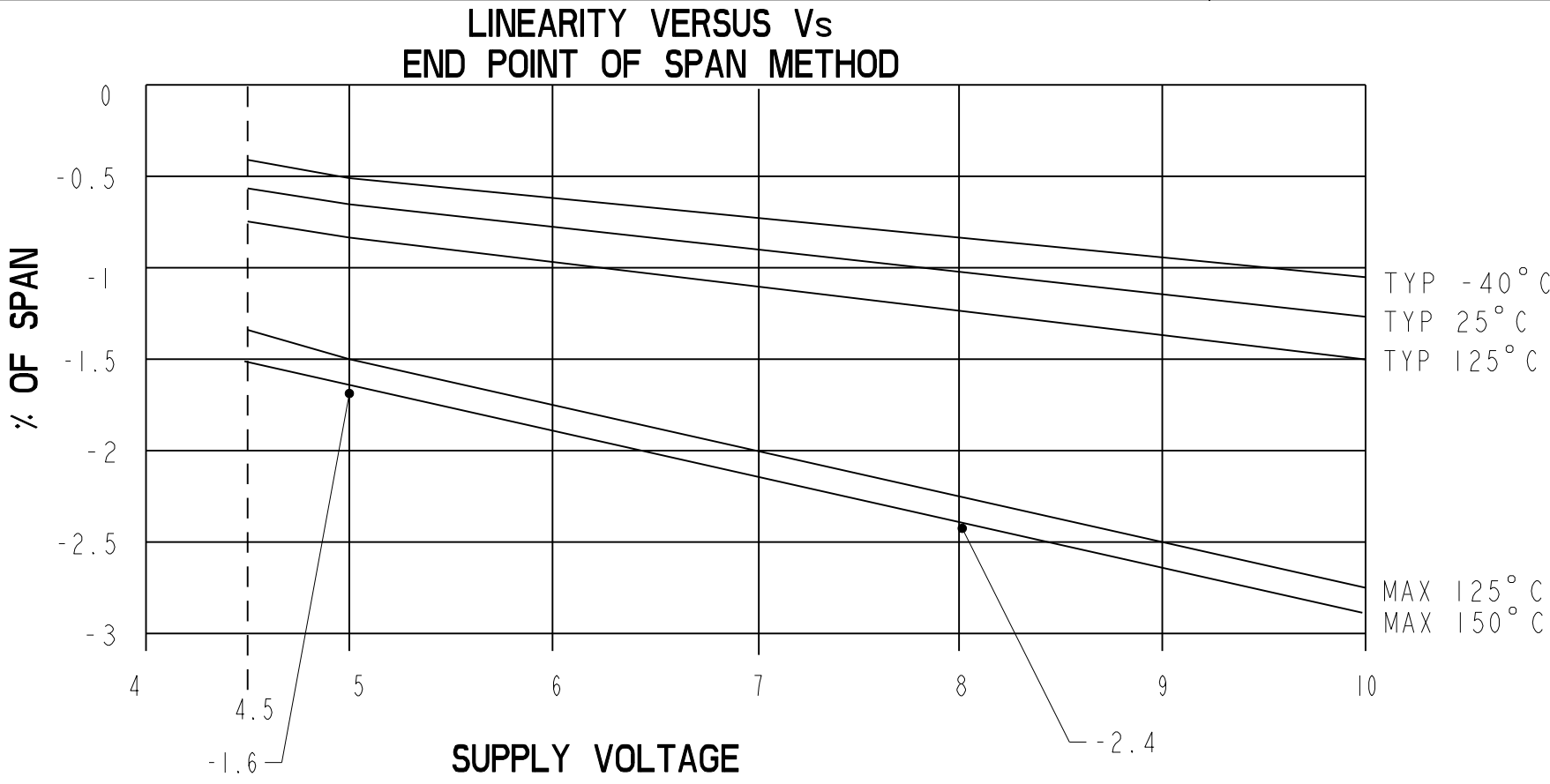
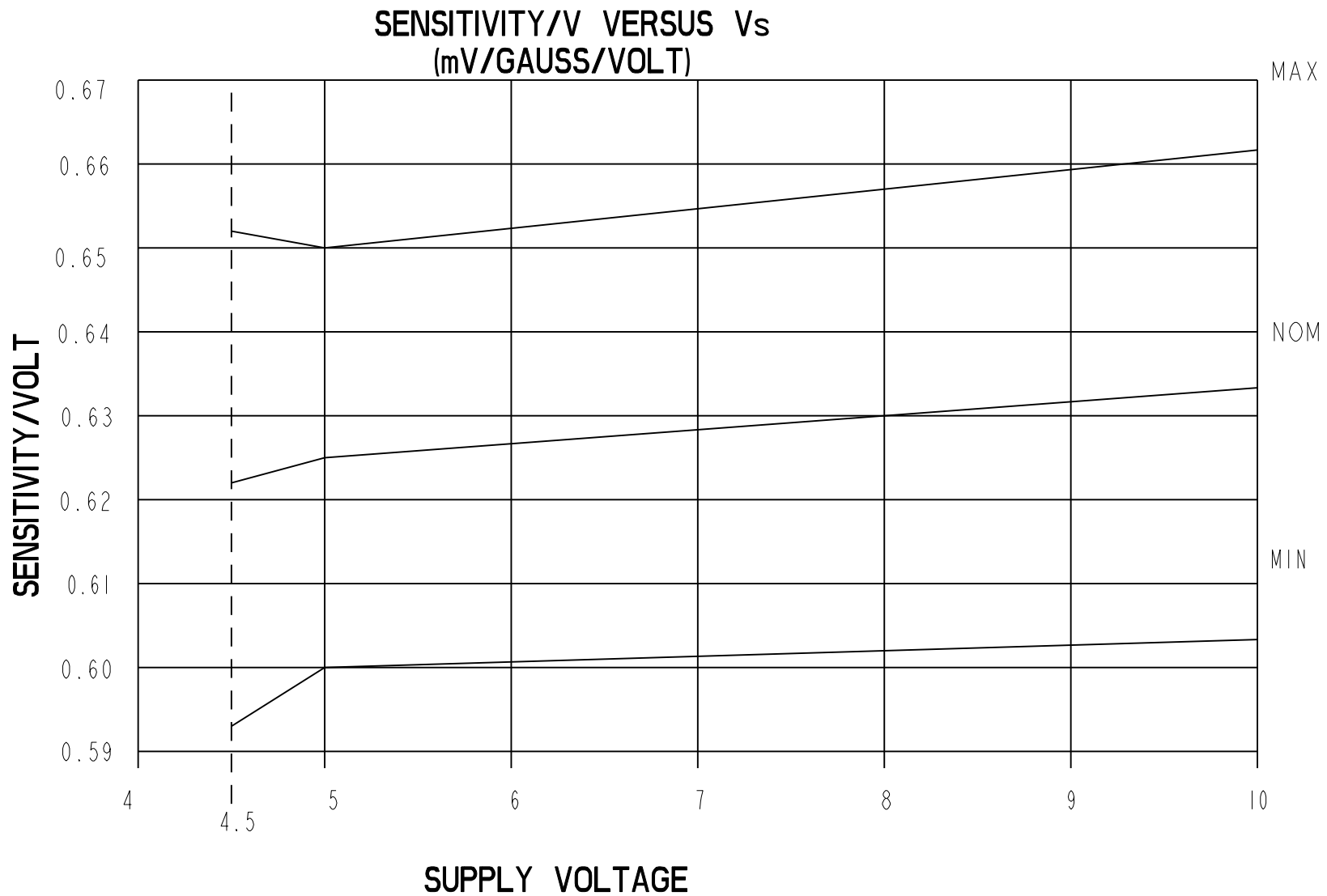
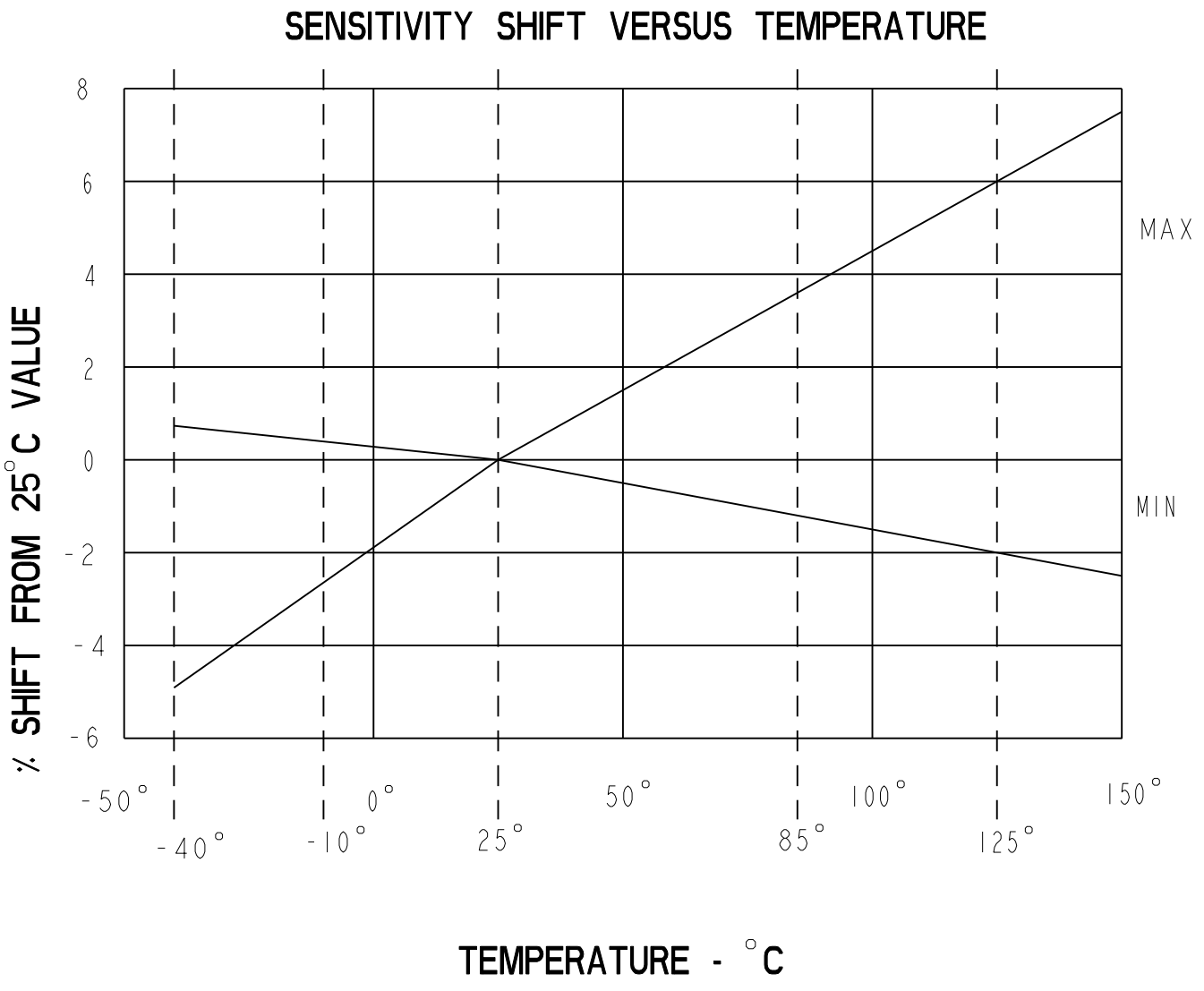
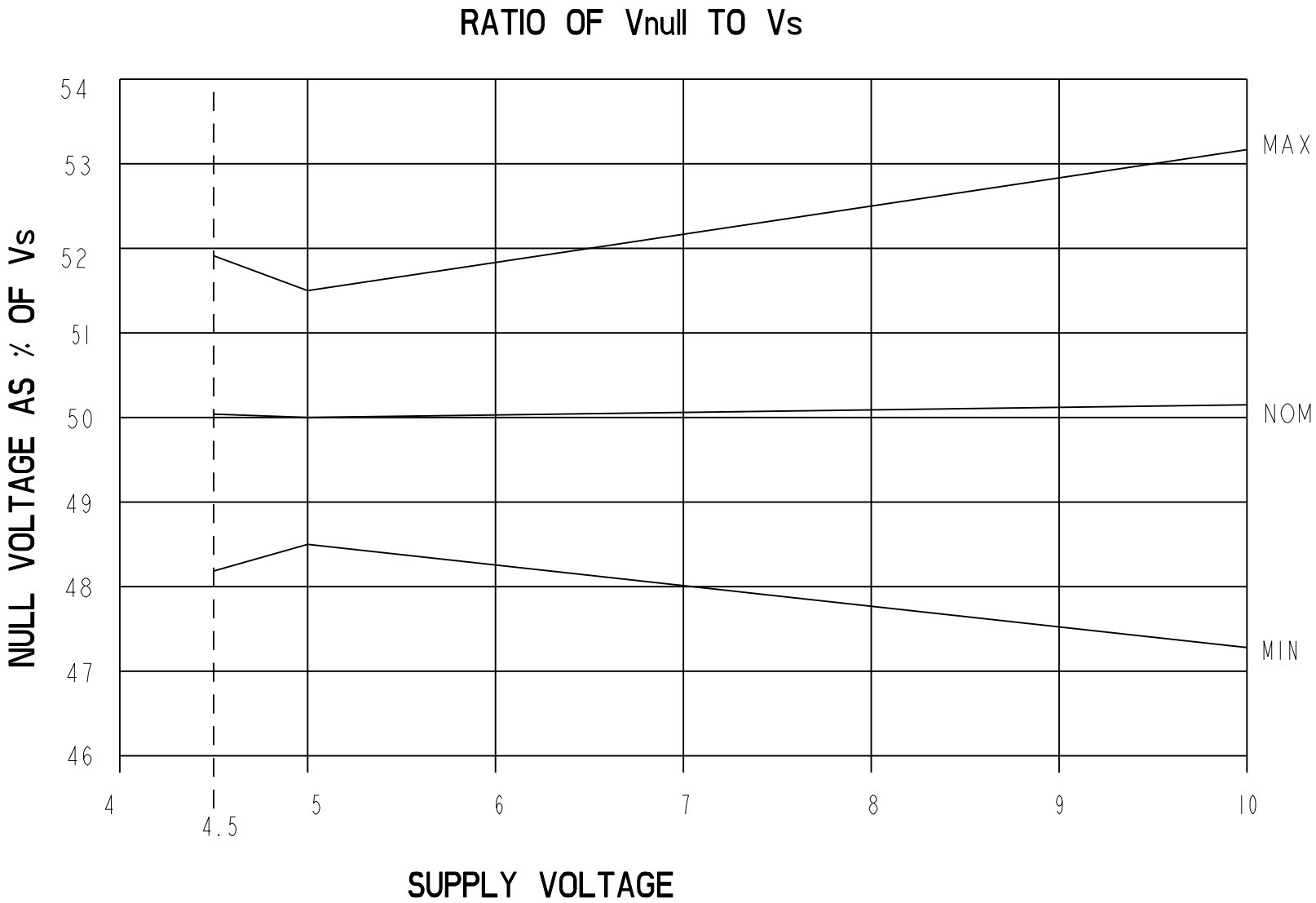
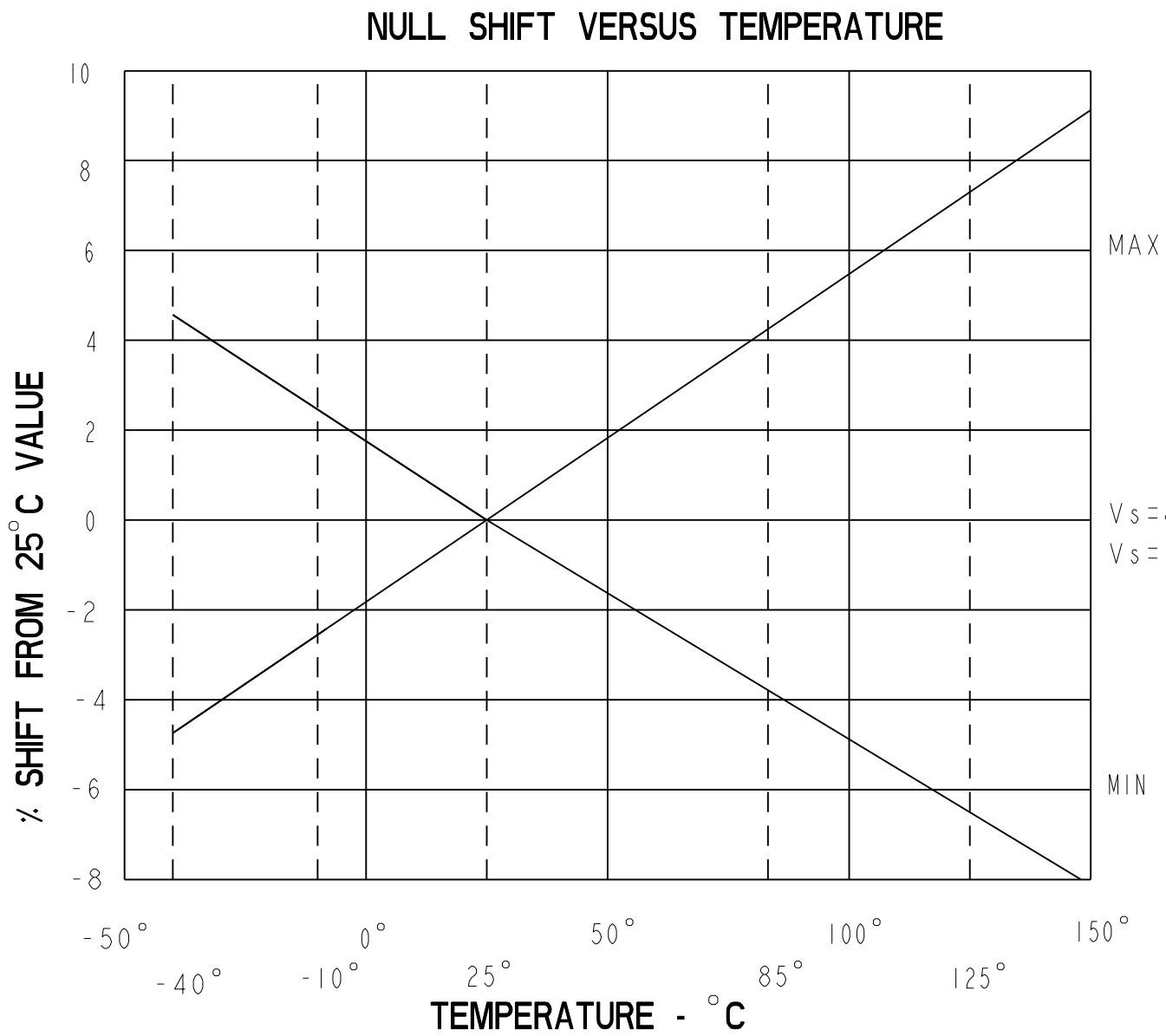
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	TA = 25° C	2.969	3.125	3.281	mV/GAUSS
NULL	TA = 25° C	2.400	2.50	2.600	VOLTS
SUPPLY CURRENT	TA = 25° C		7	8.7	mA
OUTPUT CURRENT SINK SINK	Vs > 4.5	1mA	1.5mA		
	Vs > 4.5	.6mA	1.5mA		
	Vs > 5.0	1mA	1.5mA		
RESPONSE TIME			3μS		
OUTPUT VOLTAGE SWING VOM - VOM +	-B APPLIED	.4	.2		VOLTS
	+B APPLIED	Vs -.4	Vs -.2		VOLTS
B LIMITS FOR LINEAR OPERATION	-B MAX	-600	-670		GAUSS
	+B MAX	+600	+670		GAUSS
Vnull DRIFT	B = 0, TA = 25° C TO 125° C	-.07		+.07	% /° C
Vnull DRIFT	B = 0, TA = +125° C TO +150° C	-.08		+.08	% /° C
SENSITIVITY DRIFT	TA=+25° C TO +150° C	-.02		+.06	% /° C
SENSITIVITY DRIFT	TA=-40° C TO +25° C	-.01		+.07	% /° C
LINEARITY	B = -600 TO +600	0	-1.0	-1.5	% OF SPAN
SUPPLY VOLTAGE	-40° C TO +125° C	4.5	5.0	10.5	VOLTS
OPERATING TEMP	SEE MAX TEMPERATURE CHART	-40		+150	° C

BLOCK DIAGRAM CURRENT SINKING OR SOURCING OUTPUT



ABSOLUTE MAXIMUM CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNITS
SUPPLY VOLTAGE	Vcc		-0.5	11	V
OUTPUT VOLTAGE	Vout		-0.5	11	V
OUTPUT CURRENT	Iout	SOURCE OR SINK	10		mA
TEMPERATURE	TA	OPERATING	-55	150	°C
	TS	STORAGE (Vcc=0)	-55	165	°C



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MICRO SWITCH
a Honeywell Division

CATALOG LISTING

SS495 SERIES CHART 1

MINIATURE RATIONETRIC
LINEAR HALL EFFECT SENSOR

THIRD ANGLE PROJECTION	
SCALE	NONE
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE	(.0) +.030
TWO PLACE	(.00) +.015
THREE PLACE	(.000) +.005
ANGLES	+2°
WEIGHT	

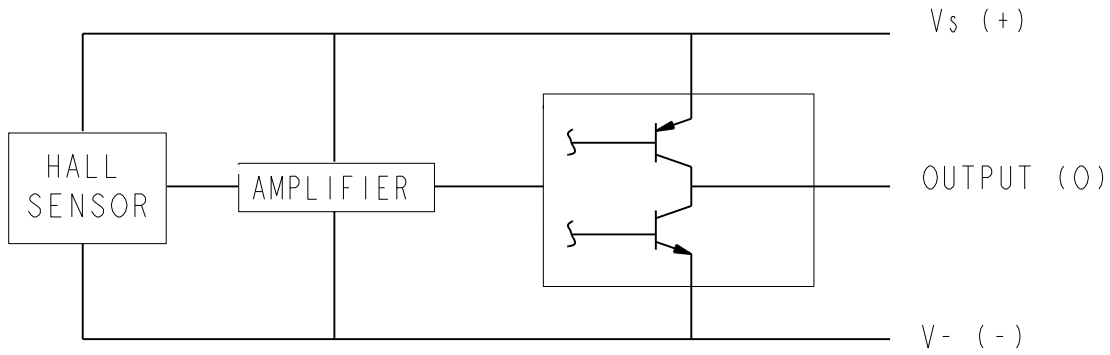
CHARACTERISTICS ARE AT Vs=5.00 WITH 4.7K OUTPUT TO MINUS WITH TA= -40°C TO +125°C UNLESS OTHERWISE SPECIFIED

SS495B

SS495 SERIES CHART 1

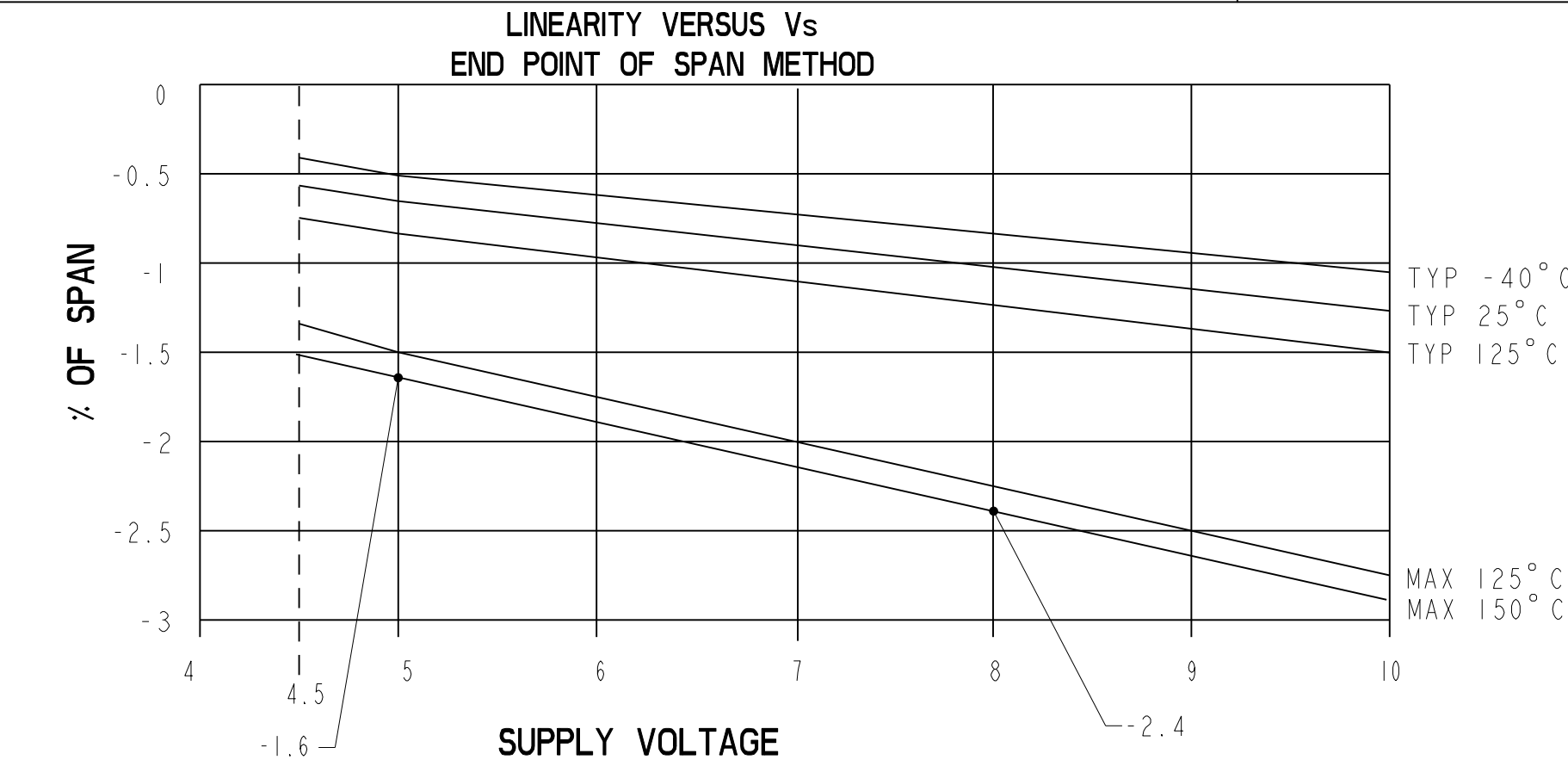
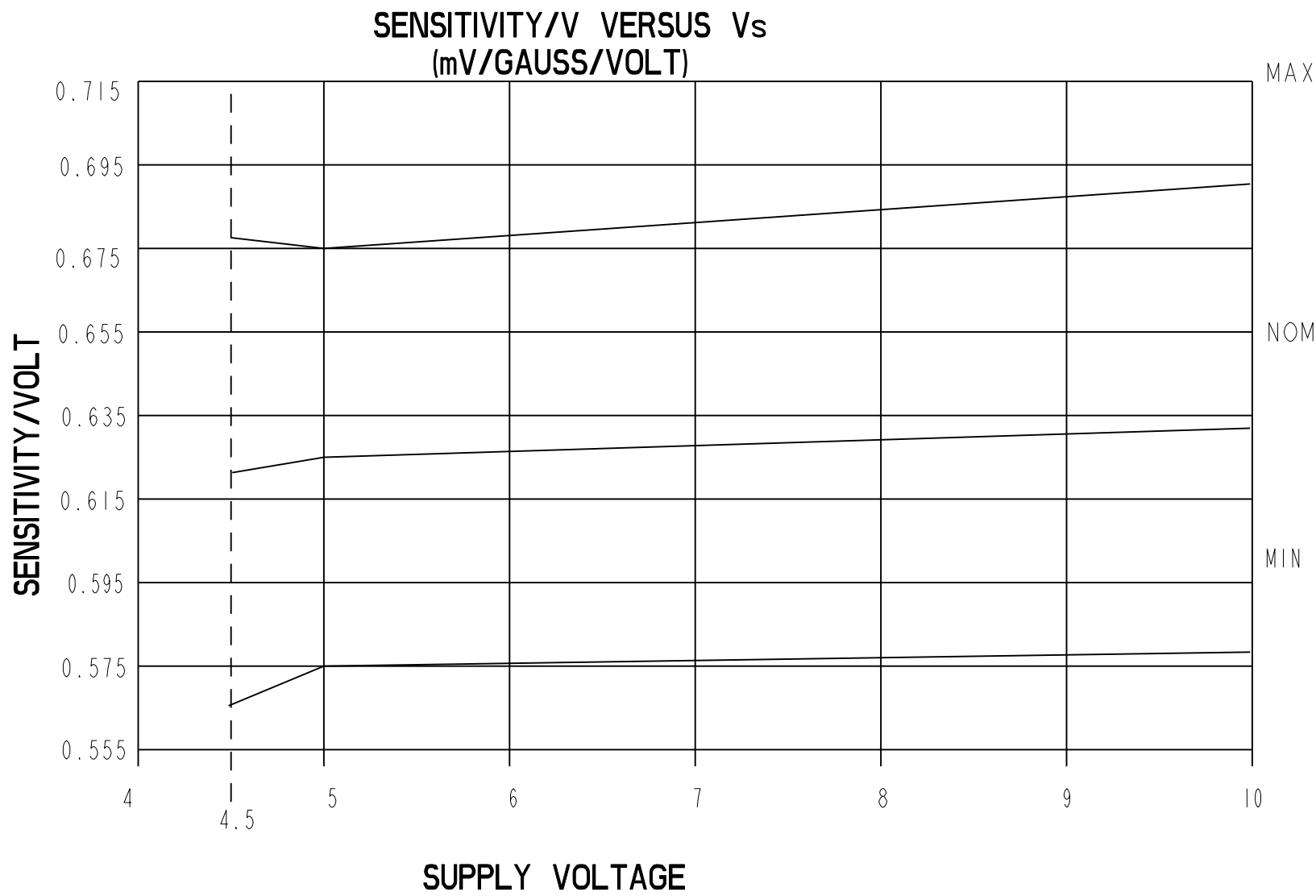
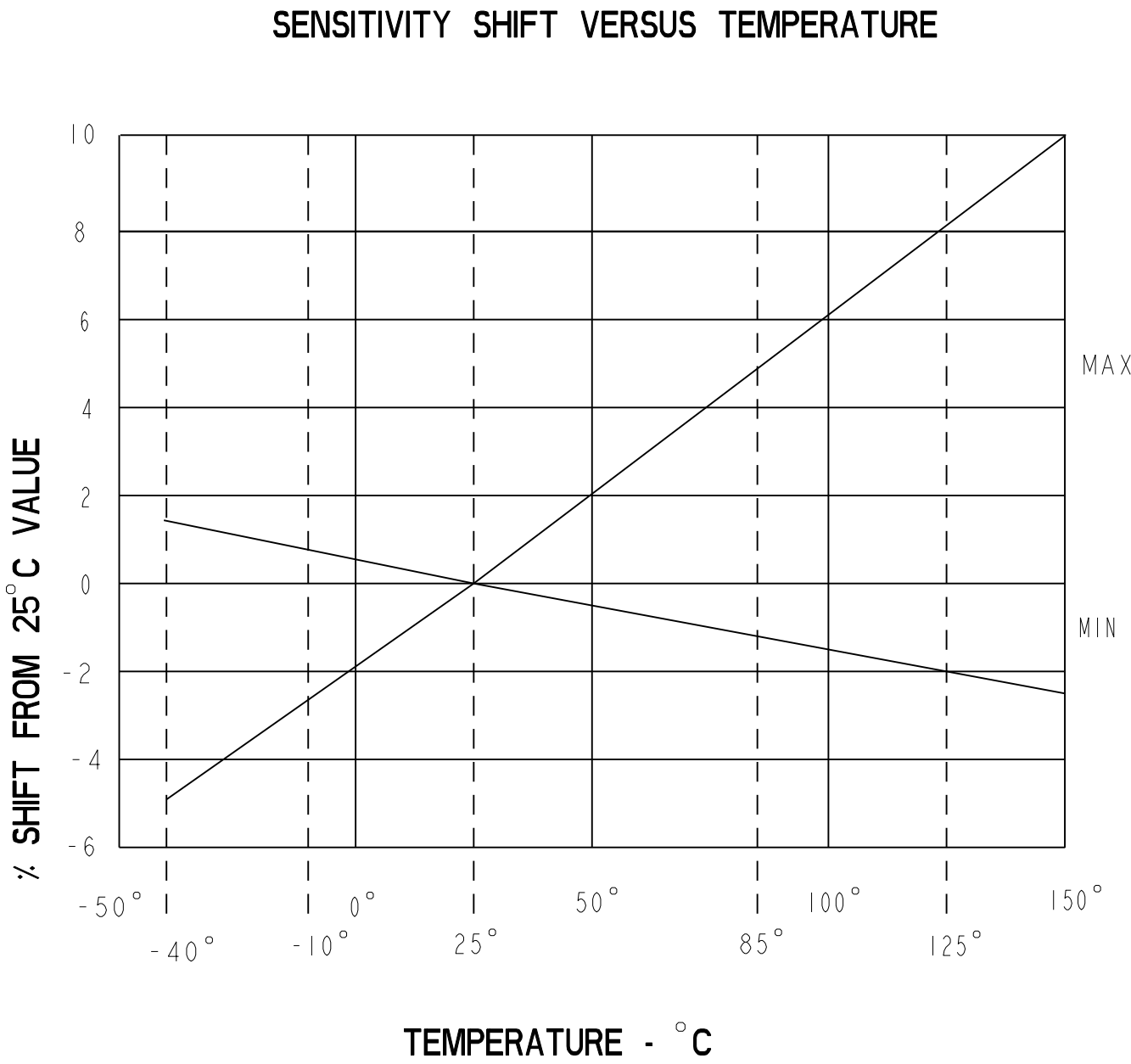
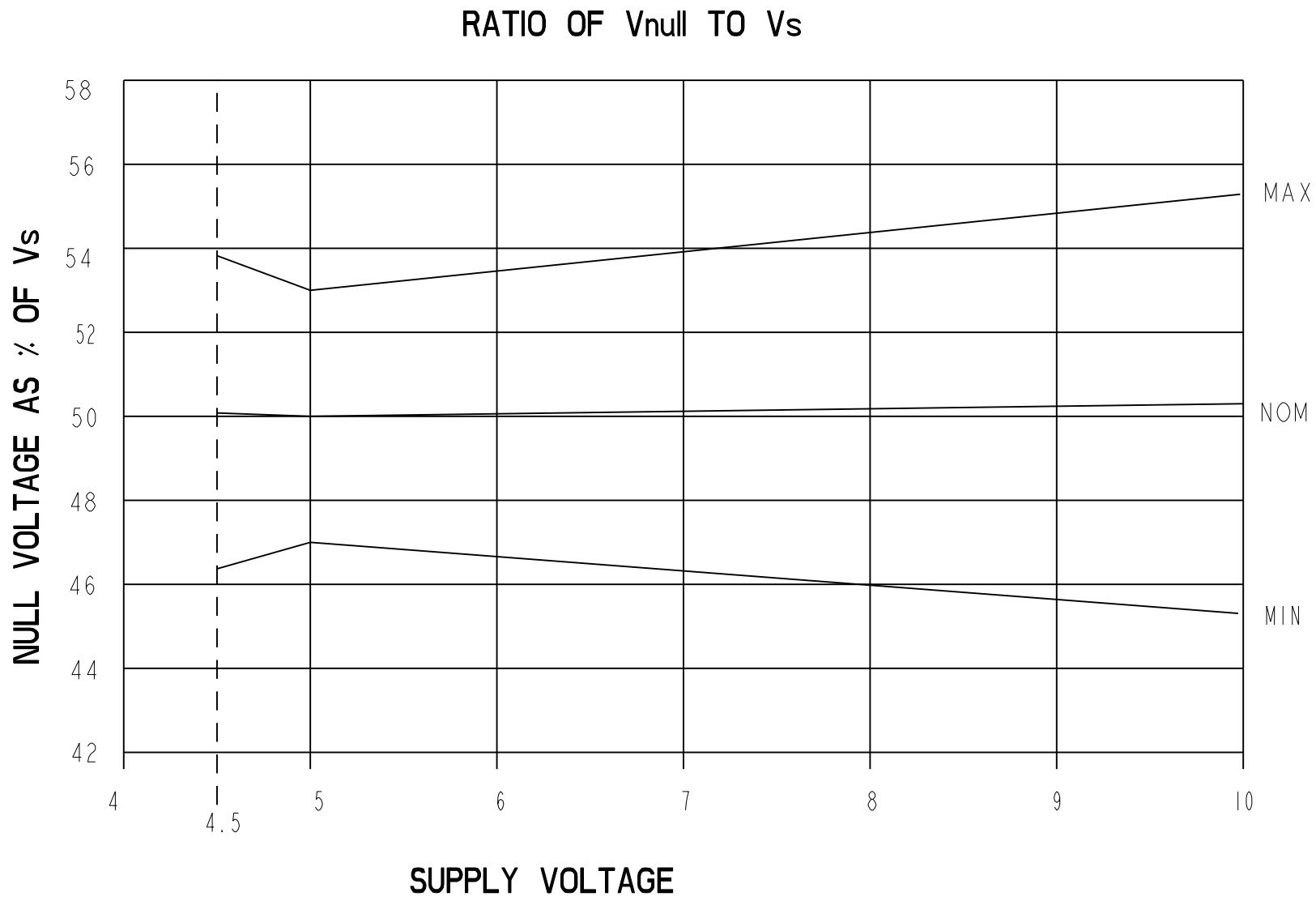
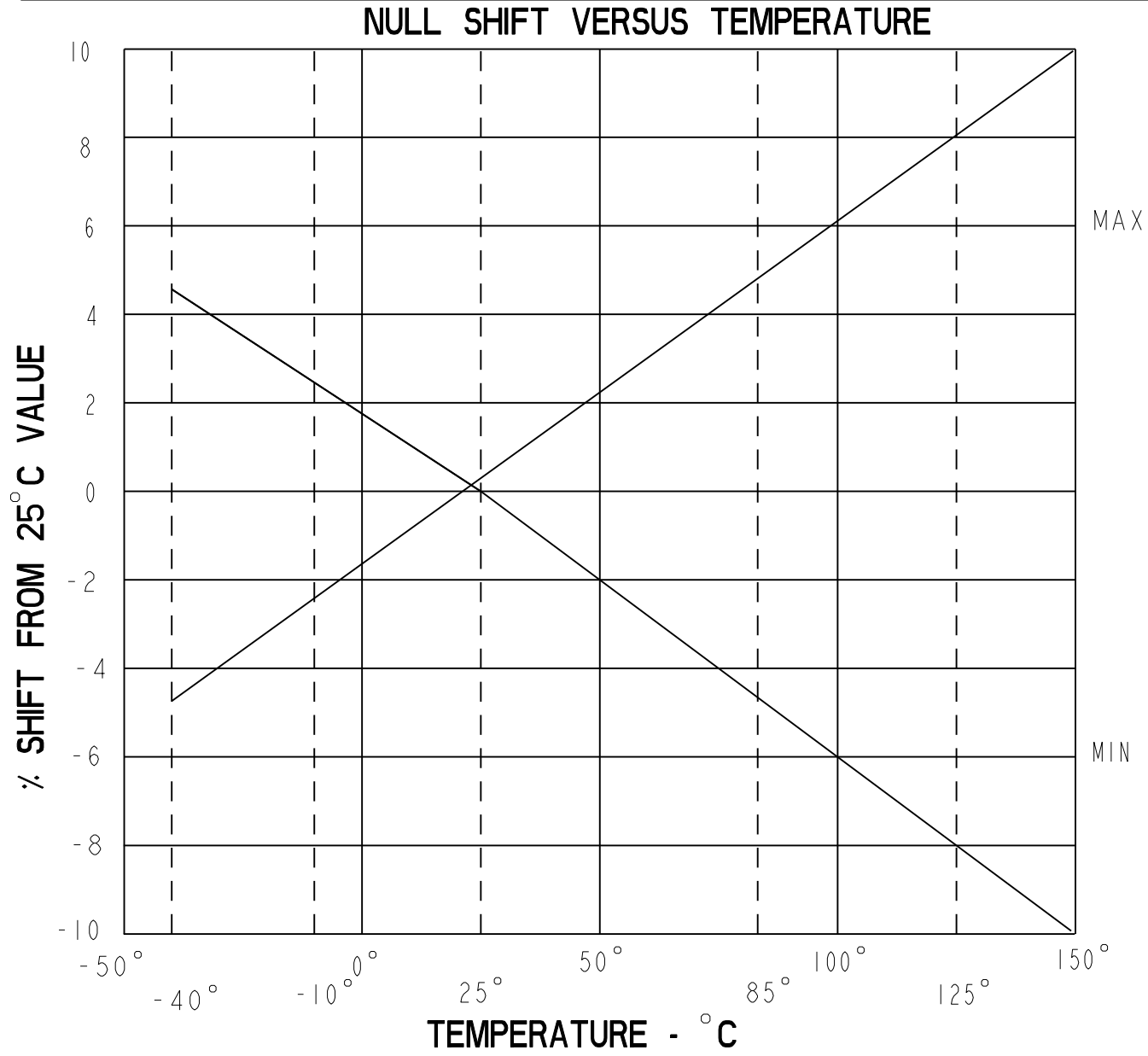
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
SENSITIVITY	TA = 25°C	2.875	3.125	3.375	mV/GAUSS
NULL	TA = 25°C	2.35	2.50	2.650	VOLTS
SUPPLY CURRENT	TA = 25°C		7	8.7	mA
OUTPUT CURRENT SOURCE	Vs > 4.5	1mA	1.5mA		
SINK	Vs > 4.5	.6mA	1.5mA		
SINK	Vs > 5.0	1mA	1.5mA		
RESPONSE TIME			3μs		
OUTPUT VOLTAGE SWING					
VOM -	-B APPLIED	.4	.2		VOLTS
VOM +	+B APPLIED	Vs - .4	Vs - .2		VOLTS
B LIMITS FOR LINEAR OPERATION	-B MAX	-600	-670		GAUSS
	+B MAX	+600	+670		GAUSS
Vnull DRIFT	B = 0, TA = 25°C TO 125°C	-.08		+.08	% / °C
Vnull DRIFT	B = 0, TA = +125°C TO +150°C	-.08		+.08	% / °C
SENSITIVITY DRIFT	TA=+25°C TO +150°C	-.02		+.08	% / °C
SENSITIVITY DRIFT	TA=-40°C TO +25°C	-.02		+.08	% / °C
LINEARITY	B = -600 TO +600	0	-1.0	-1.5	% OF SPAN
SUPPLY VOLTAGE	-40°C TO +125°C	4.5	5.0	10.5	VOLTS
OPERATING TEMP	SEE MAX TEMPERATURE CHART	-40		+150	°C

BLOCK DIAGRAM CURRENT SINKING OR SOURCING OUTPUT

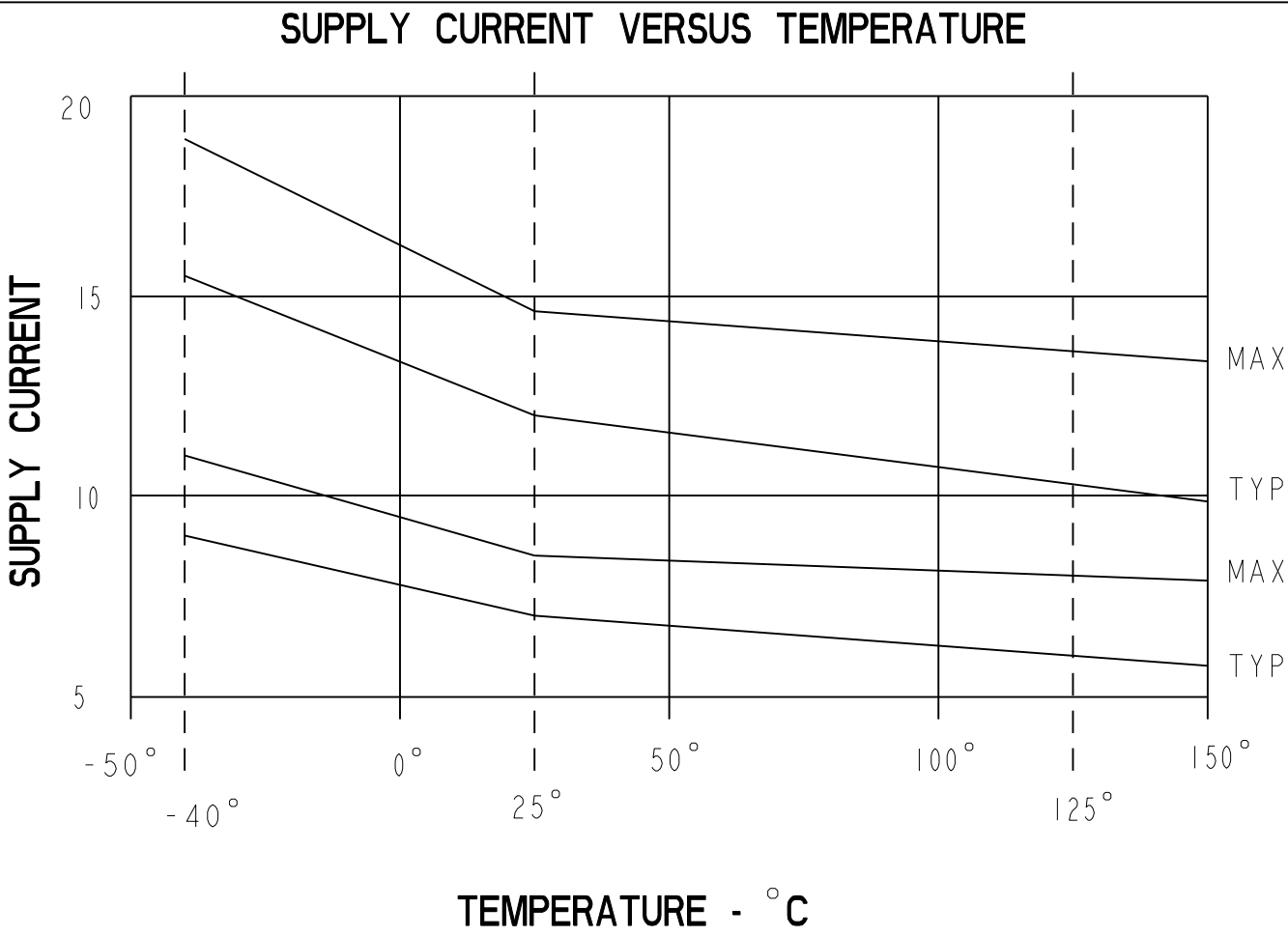
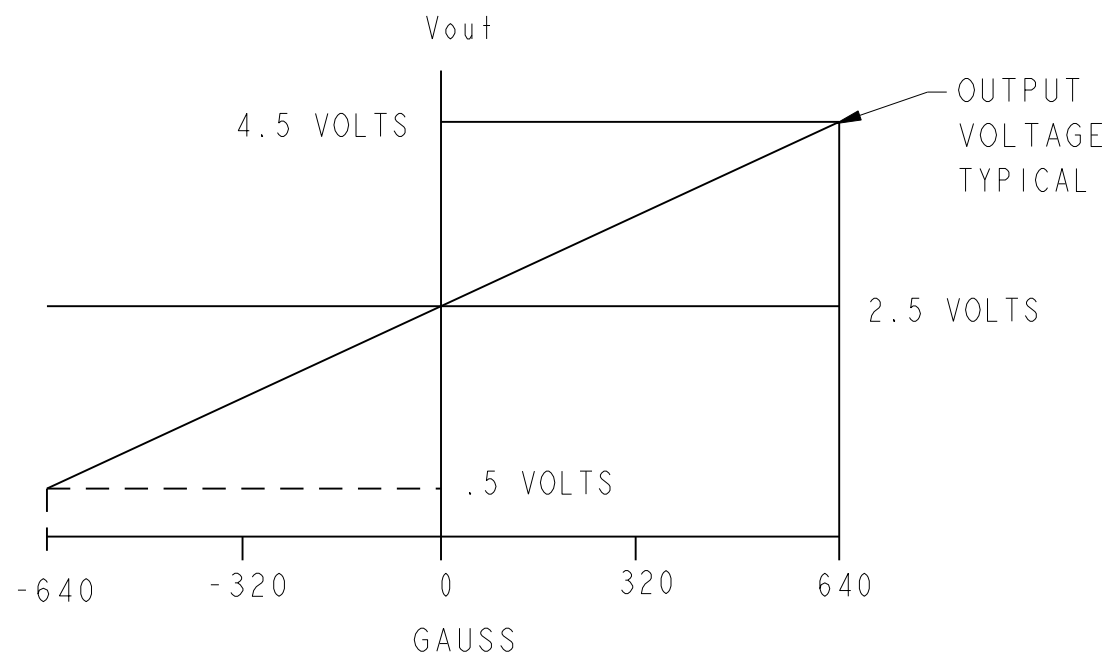


ABSOLUTE MAXIMUM CHARACTERISTICS

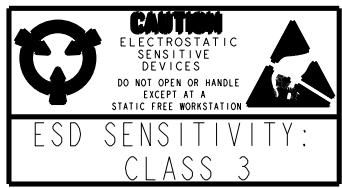
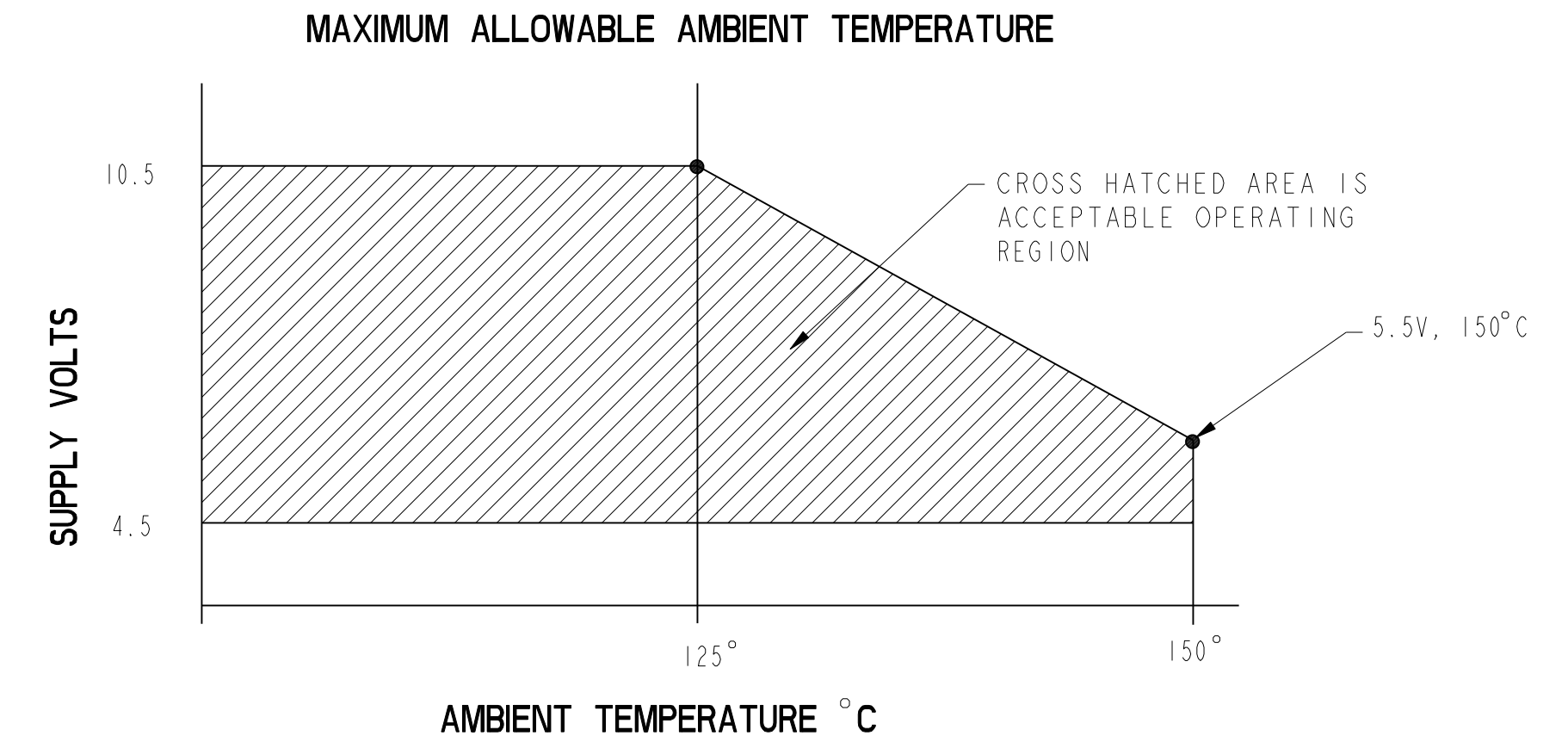
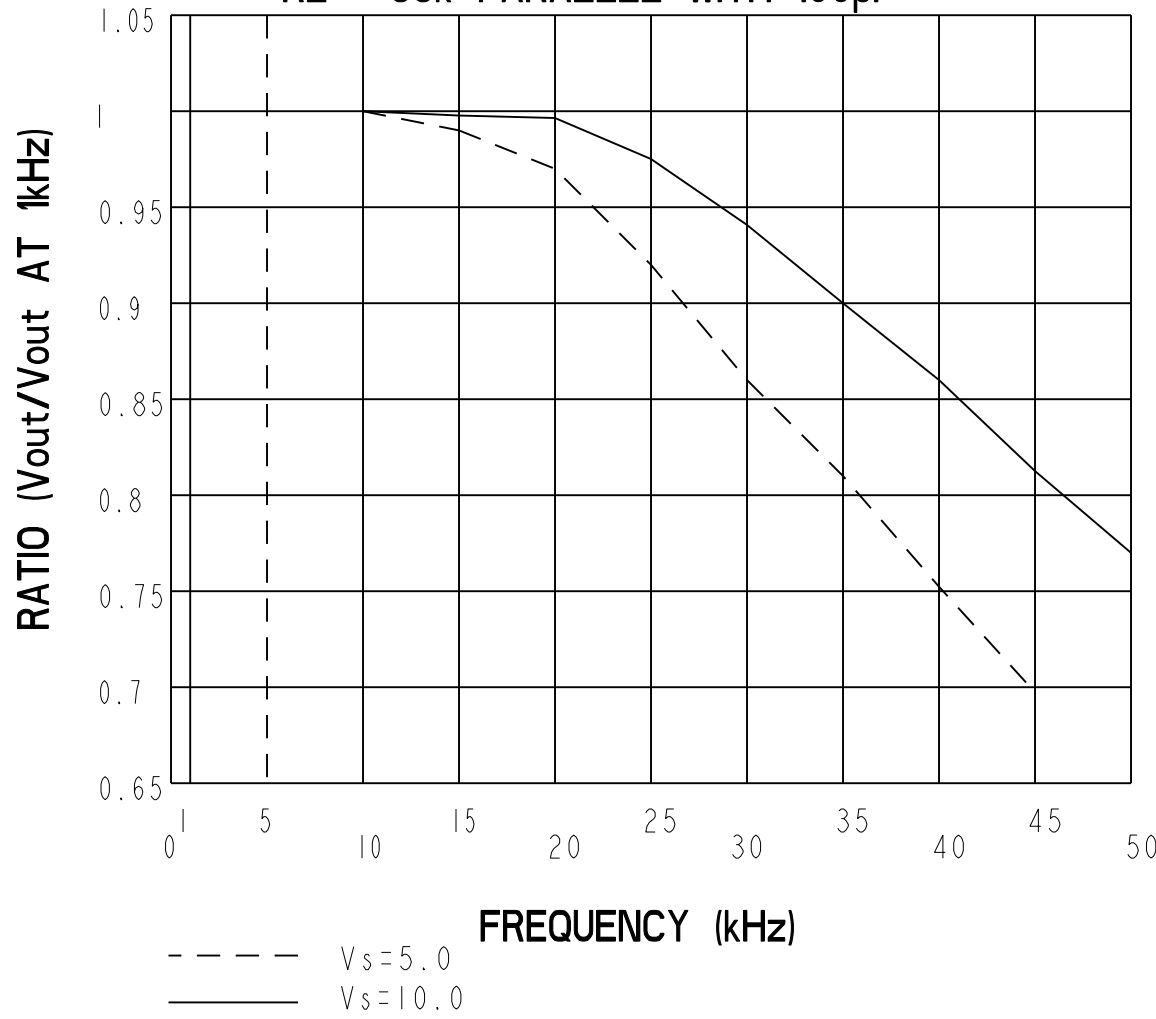
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNITS
SUPPLY VOLTAGE	Vcc		-0.5	11	V
OUTPUT VOLTAGE	Vout		-0.5	11	V
OUTPUT CURRENT	Iout	SOURCE OR SINK	10		mA
TEMPERATURE	TA	OPERATING	-55	150	°C
	TS	STORAGE (Vcc=0)	-55	165	°C



TRANSFER CHARACTERISTICS AT Vs = 5.0 VDC



TYPICAL FREQUENCY RESPONSE
RL = 33k PARALLEL WITH 100pF



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CATALOG LISTING

SS495 SERIES CHART 1

MINIATURE RATIONETRIC
LINEAR HALL EFFECT SENSOR

THIRD ANGLE PROJECTION	
SCALE	NONE
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE	(.0) +.030
TWO PLACE	(.00) +.015
THREE PLACE	(.000) +.005
ANGLES	+ 2°
WEIGHT	

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».



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.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

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



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