Aluminum Capacitors
+ 85 °C, Miniature, Axial Lead

FEATURES

- Low leakage current
- Long shelf life
- Ideal for application in TV sets, auto radios, radio-phone combinations, electronic testing equipment
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

Pb-free Available

QUICK REFERENCE DATA

DESCRIPTION	VALUE
Nominal case size Ø D x L in mm	6.350 x 12.700 to 34.925 x 92.075
Operating temperature	
6 WV_{DC} to 100 WV_{DC}	- 40 °C to + 85 °C
101 WV_{DC} to 475 WV_{DC}	- 20 °C to + 85 °C
500 WV_{DC} and higher	20 °C to + 65 °C
Rated capacitance range, C_R	1 µF to 15 000 µF

ORDERING EXAMPLE (1)

Order by Distribution part no. Example: TVA1318.7

Note

(1) For lead (Pb)-free/RoHS compliant products add the suffix "-E3" to the part no. Example: TVA1318.7-E3

DIMENSIONS in inches [millimeters]

CASE CODE	D	L	CASE CODE	D	L
BA	0.250 [6.350]	0.500 [12.700]	FJ	0.625 [15.875]	1.625 [41.275]
BB	0.250 [6.350]	0.687 [17.450]	FK	0.485 [12.319]	1.750 [44.450]
CB	0.312 [7.925]	0.687 [17.450]	GE	0.750 [19.050]	1.125 [28.575]
CC	0.312 [7.925]	0.812 [20.625]	GG	0.750 [19.050]	1.375 [34.925]
DC	0.375 [9.525]	0.812 [20.625]	GH	0.625 [15.875]	1.500 [38.100]
DD	0.375 [9.525]	0.937 [23.800]	GL	0.750 [19.050]	2.125 [53.975]
DF	0.375 [9.525]	1.250 [31.750]	GK	0.625 [15.875]	1.750 [44.450]
DH	0.375 [9.525]	1.500 [38.100]	GJ	0.750 [19.050]	1.625 [41.275]
EE	0.500 [12.700]	1.125 [28.575]	HG	0.875 [22.225]	1.375 [34.925]
EF	0.438 [11.125]	1.250 [31.750]	HJ	0.875 [22.225]	1.625 [41.275]
EG	0.500 [12.700]	1.375 [34.925]	HK	0.875 [22.225]	1.875 [47.625]
EH	0.438 [11.125]	1.500 [38.100]	HL	0.875 [22.225]	2.125 [53.975]
EJ	0.500 [12.700]	1.625 [41.275]	JB	1.0 [25.4]	3.375 [85.725]
FG	0.625 [15.875]	1.375 [34.925]	JJ	1.0 [25.4]	1.625 [41.275]
FH	0.485 [12.319]	1.500 [38.100]	JK	1.0 [25.4]	1.875 [47.625]
JL	1.0 [25.4]	2.125 [53.975]	KP	1.125 [28.575]	2.625 [66.675]
JN	1.0 [25.4]	2.375 [60.325]	KS	1.125 [28.575]	3.125 [79.375]
JP	1.0 [25.4]	2.625 [66.675]	LP	1.250 [31.750]	2.625 [66.675]
JR	1.0 [25.4]	2.875 [73.025]	LS	1.250 [31.750]	3.125 [79.375]
JS	1.0 [25.4]	3.125 [79.375]	LT	1.250 [31.750]	3.625 [92.075]
JU	1.0 [25.4]	3.625 [92.075]	MD	1.375 [34.925]	4.125 [104.775]
JW	1.0 [25.4]	3.875 [98.425]	MN	1.375 [34.925]	2.375 [60.325]
KL	1.125 [28.575]	2.125 [53.975]	MS	1.375 [34.925]	3.125 [79.375]
KN	1.125 [28.575]	2.375 [60.325]	MT	1.375 [34.925]	3.625 [92.075]

ELECTRICAL DATA AND ORDERING INFORMATION

CAPACITANCE (µF)	CASE CODE	PART NUMBER [1]	LEAD DIAMETER (AWG)
SINGLE UNITS (POLARIZED)			
6 WV_{DC}			
200.0	CB	TVA1101.7	18
10 WV_{DC}			
5000.0	GK	TVA1129.5	18
16 WV_{DC}			
25.0	BA	TVA1148	18
50.0	BB	TVA1150	18
100.0	CB	TVA1160	18
200.0	CC	TVA1160.6	18
250.0	DC	TVA1161	18
500.0	DD	TVA1162	18
600.0	DF	TVA1162.2	18
800.0	DF	TVA1162.3	18
1000.0	DH	TVA1163	18
1200.0	EH	TVA1164	18
1500.0	EH	TVA1175.2	18
2000.0	FK	TVA1170	18
3000.0	GH	TVA1175	18
5000.0	JL	TVA1175.5	20
10 000.0	LP	TVA1175.8	20
25 WV_{DC}			
10.0	BA	TVA1204	18
25.0	BA	TVA1205	18
50.0	BB	TVA1206	18
75.0	CB	TVA1206.1	18
100.0	CC	TVA1207	18
150.0	DC	TVA1207.5	18
200.0	DC	TVA1207.7	18
250.0	DD	TVA1208	18
500.0	EF	TVA1209	18
1000.0	FH	TVA1211	18
1500.0	GH	TVA1212	18
2000.0	GK	TVA1213	18
2500.0	JK	TVA1213.5	20
5000.0	KP	TVA1214.5	20
35 WV_{DC}			
500.0	EH	TVA1227	18
5500.0	JB	TVA1229	20
50 WV_{DC}			
1.0	BA	TVA1300	18
2.0	BA	TVA1301	18
5.0	BA	TVA1303	18
5.0	BA	TVA1303.1	18
10.0	BA	TVA1304	18
15.0	BB	TVA1305	18
20.0	BB	TVA1305.5	18
25.0	BB	TVA1306	18
40.0	CC	TVA1306.5	18
50.0	CC	TVA1308	18
75.0	DC	TVA1309.4	18
100.0	DC	TVA1310	18
150.0	DD	TVA1311	18
200.0	DF	TVA1311.5	18
250.0	DH	TVA1312	18
300.0	EF	TVA1312.1	18
400.0	FH	TVA1313	18
500.0	FH	TVA1315	18
600.0	GH	TVA1315.2	18
1000.0	GK	TVA1316	18

Note

[1] For other capacitance and voltage ratings, please see types 500D and 53D.

ELECTRICAL DATA AND ORDERING INFORMATION

CAPACITANCE (µF)	CASE CODE	PART NUMBER [1]	LEAD DIAMETER (AWG)
SINGLE UNITS (POLARIZED)			
		50 WV_{DC}	
1500.0	HL	TVA1318	20
2000.0	KL	TVA1318.2	20
2500.0	KP	TVA1318.3	20
3000.0	LP	TVA1318.4	20
5000.0	MS	TVA1318.7	20
		63 WV_{DC}	
1.0	BA	TVA1319.10	18
		100 WV_{DC}	
10.0	CB	TVA1337	18
50.0	DF	TVA1343	18
100.0	EH	TVA1346	18
250.0	GK	TVA1349	18
500.0	KL	TVA1376	20
		150 WV_{DC}	
1.0	BA	TVA1400	18
2.0	BB	TVA1400.1	18
4.0	CC	TVA1402	18
5.0	CC	TVA1403	18
8.0	DC	TVA1405	18
10.0	DC	TVA1406	18
16.0	DD	TVA1409	18
20.0	DF	TVA1410	18
25.0	DF	TVA1411	18
30.0	EF	TVA1412	18
40.0	EH	TVA1413	18
50.0	EH	TVA1414	18
80.0	GK	TVA1418	18
100.0	GK	TVA1420	18
150.0	HL	TVA1422	20
200.0	JL	TVA1423	20
300.0	KP	TVA1425	20
		200 WV_{DC}	
3.0	CC	TVA1436	18
5.0	DC	TVA1438	18
10.0	DD	TVA1441	18
20.0	EF	TVA1442.1	18
100.0	HL	TVA1445	20
		250 WV_{DC}	
4.0	DC	TVA1501	18
10.0	DF	TVA1504	18
12.0	EF	TVA1505	18
20.0	EH	TVA1508	18
30.0	GH	TVA1510	18
40.0	GK	TVA1511	18
50.0	HG	TVA1512	20
60.0	HJ	TVA1513	20
100.0	JK	TVA1522	20
		300 WV_{DC}	
1.0	CB	TVA1540	18
		350 WV_{DC}	
3.0	DD	TVA1600.1	18
4.0	DF	TVA1601	18
5.0	DF	TVA1602.5	18
8.0	EH	TVA1603	18
10.0	EH	TVA1604	18
15.0	FK	TVA1607	18
20.0	GK	TVA1608	18
60.0	HL	TVA1613	20
100.0	JP	TVA1620	20

Note

[1] For other capacitance and voltage ratings, please see types 500D and 53D.

ELECTRICAL DATA AND ORDERING INFORMATION			
CAPACITANCE (µF)	CASE CODE	PART NUMBER [1]	LEAD DIAMETER (AWG)
SINGLE UNITS (POLARIZED)			
450 WV_{DC}			
1.0	DC	TVA1700	18
2.0	DF	TVA1701	18
4.0	EH	TVA1702	18
5.0	EH	TVA1703	18
8.0	FK	TVA1704	18
10.0	GK	TVA1705	18
12.0	GK	TVA1706	18
20.0	HJ	TVA1709	20
30.0	HK	TVA1711	20
40.0	HL	TVA1712	20
50.0	KL	TVA1713	20
100.0	LS	TVA1718	20
60.0	KL	TVA1714	20
80.0	JP	TVA1716	20
475 WV_{DC}			
16.0	HJ	TVA1803.1	20
500 WV_{DC}			
20.0	HL	TVA1906	20
40.0	JN	TVA1908	20
30.0	JJ	TVA1907	20
600 WV_{DC}			
10.0	JR	TVA1963	20
20.0	JW	TVA1966	20
NON-POLARIZED			
10 WV_{DC}			
50.0	CB	TVAN1117	18
25 WV_{DC}			
10.0	BB	TVAN1204.1	18
16.0	BB	TVAN1204.3	18
25.0	CB	TVAN1205.1	18
50.0	CC	TVAN1206.1	18
100.0	DD	TVAN1207.1	18
30 WV_{DC}			
20.0	CB	TVAN1220	18
50 WV_{DC}			
2.0	BA	TVAN1301.1	18
3.0	BA	TVAN1302.1	18
5.0	BB	TVAN1303.1	18
8.0	BB	TVAN1303.4	18
10.0	CB	TVAN1304.1	18
25.0	DC	TVAN1306.1	18
50.0	DD	TVAN1308.1	18
100.0	DH	TVAN1310.1	18
100 WV_{DC}			
10.0	EJ	TVAN1333	18
20.0	FJ	TVAN1335	18
200 WV_{DC}			
60.0	JP	TVAN1440	20
300 WV_{DC}			
1.0	EG	TVAN1560	18
350 WV_{DC}			
5.0	GJ	TVAN1602	18
400 WV_{DC}			
20.0	JL	TVAN1652	20

Note

[1] For other capacitance and voltage ratings, please see types 500D and 53D.

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