

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



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

Table with columns: CAPACITANCE (µF), CASE CODE, PART NUMBER (1), LEAD DIAMETER (AWG). Rows are grouped by voltage rating (50 WVDC, 63 WVDC, 100 WVDC, 150 WVDC, 200 WVDC, 250 WVDC, 300 WVDC, 350 WVDC) and list various capacitance values and their corresponding case codes and part numbers.

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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