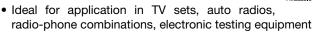


# Aluminum Capacitors + 85 °C, Miniature, Axial Lead

## FEATURES



- Low leakage current
- Long shelf life



 Material categorization: For definitions of compliance please see <a href="https://www.vishay.com/doc?99912"><u>www.vishay.com/doc?99912</u></a>



<b>ORDERING</b>	<b>EXAMPLE</b>	(1)
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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

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 <sub>DC</sub> to 100 WV <sub>DC</sub>	- 40 °C to + 85 °C	
101 WV <sub>DC</sub> to 475 WV <sub>DC</sub>	- 20 °C to + 85 °C	
500 WV <sub>DC</sub> and higher	20 °C to + 65 °C	
Rated capacitance range, C <sub>R</sub>	1 μF to 15 000 μF	

DIMENSIONS	<b>DIMENSIONS</b> 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]
СВ	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]



CAPACITANCE	CASE CODE	PART NUMBER (1)	
(μF)	CAGE GODE	TAIT NOMBER	
NGLE UNITS (POLARIZED)	C MAY		
200.0	6 WV <sub>DC</sub> CB	TVA1101.7	
200.0	10 WV <sub>DC</sub>	IVATIOI.7	
5000.0	GK	TVA1129.5	
000.0	16 WV <sub>DC</sub>	1771120.0	
25.0	BA	TVA1148	
50.0	BB	TVA1150	
100.0	СВ	TVA1160	
200.0	CC	TVA1160.6	
250.0	DC	TVA1161	
500.0	DD	TVA1162	
600.0	DF	TVA1162.2	
800.0	DF	TVA1162.3	
1000.0	DH	TVA1163	
1200.0	EH	TVA1164	
1500.0	EH	TVA1175.2	
2000.0 3000.0	FK GH	TVA1170 TVA1175	
5000.0	JL	TVA1175	
10 000.0	LP	TVA1175.5 TVA1175.8	
10 000.0	25 WV <sub>DC</sub>	TVA1179.8	
10.0	BA	TVA1204	
25.0	BA	TVA1205	
50.0	BB	TVA1206	
75.0	CB	TVA1206.1	
100.0	CC	TVA1207	
150.0	DC	TVA1207.5	
200.0	DC	TVA1207.7	
250.0	DD	TVA1208	
500.0	EF	TVA1209	
1000.0	FH	TVA1211	
1500.0	GH	TVA1212	
2000.0	GK	TVA1213	
2500.0	JK	TVA1213.5	
5000.0	KP	TVA1214.5	
	35 WV <sub>DC</sub>		
500.0	EH	TVA1227	
5500.0	JB 50 MM	TVA1229	
1.0	50 WV <sub>DC</sub> BA	TVA1300	
2.0	BA BA	TVA1300	
5.0	BA BA	TVA1301	
5.0	BA	TVA1303	
10.0	BA	TVA1304	
15.0	BB	TVA1305	
20.0	BB	TVA1305.5	
25.0	BB	TVA1306	
40.0	CC	TVA1306.5	
50.0	CC	TVA1308	
75.0	DC	TVA1309.4	
100.0	DC	TVA1310	
150.0	DD	TVA1311	
200.0	DF	TVA1311.5	
250.0	DH	TVA1312	
300.0	EF	TVA1312.1	
400.0	FH	TVA1313	
500.0	FH	TVA1315 TVA1315.2	
600.0 1000.0	GH GK	TVA1315.2	

#### Note

 $<sup>^{\</sup>mbox{\scriptsize (1)}}$  For other capacitance and voltage ratings, please see types 500D and 53D.



CASE CODE	PART NUMBER (1)	
0,101 0021	.,	
E0 W/V		
	TVA1318	
	TVA1316 TVA1318.2	
	TVA1318.2	
I P	TVA1318.4	
	TVA1318.7	
	1 47 (1010.7	
	TVA1319.10	
	TVA1337	
	TVA1343	
	TVA1346	
	TVA1349	
	TVA1376	
BA	TVA1400	
BB	TVA1400.1	
CC	TVA1402	
CC	TVA1403	
DC	TVA1405	
DC	TVA1406	
DD	TVA1409	
DF	TVA1410	
DF	TVA1411	
EF	TVA1412	
EH	TVA1413	
EH	TVA1414	
GK	TVA1418	
	TVA1420	
HL	TVA1422	
JL	TVA1423	
	TVA1425	
	TVA1436	
	TVA1438	
	TVA1441	
	TVA1442.1	
HL HL	TVA1445	
	TVA1501	
	TVA1504	
	TVA1505	
	TVA1508	
	TVA1510	
	TVA1511	
	TVA1512	
	TVA1513	
JK	TVA1522	
300 WV <sub>DC</sub>	7/4/5/0	
CB CB	TVA1540	
350 WV <sub>DC</sub>	T/A4000 1	
	TVA1600.1	
	TVA1601	
	TVA1602.5	
	TVA1603	
	TVA1604	
rK	TVA1607	
	TVA1608	
HL	TVA1613	
	BB	

#### Note

 $<sup>^{(1)}</sup>$  For other capacitance and voltage ratings, please see types 500D and 53D.



ELECTRICAL DATA AND ORDERING INFORMATION		
CAPACITANCE (μF)	CASE CODE	PART NUMBER (1)
SINGLE UNITS (POLARIZED)		
	450 WV <sub>DC</sub>	
1.0	DC	TVA1700
2.0	DF	TVA1701
4.0	EH	TVA1702
5.0	EH	TVA1703
8.0	FK	TVA1704
10.0	GK	TVA1705
12.0	GK	TVA1706
20.0	HJ	TVA1709
30.0	HK	TVA1711
40.0	HL	TVA1712
50.0	KL	TVA1713
100.0	LS	TVA1718
60.0	KL	TVA1714
80.0	JP	TVA1716
16.0	<b>475 WV</b> <sub>DC</sub> HJ	TVA1803.1
16.0	500 WV <sub>DC</sub>	TVA1803.1
20.0	HL	TVA1906
40.0	JN JJ	TVA1908
30.0		TVA1907
10.0	600 WV <sub>DC</sub>	T)//\1000
10.0	JR	TVA1963
20.0	JW	TVA1966
NON-POLARIZED	40 W/V	
50.0	<b>10 WV<sub>DC</sub></b> CB	TVAN1117
50.0		IVANTIT/
10.0	25 WV <sub>DC</sub>	T)/AN11004.1
10.0	BB	TVAN1204.1
16.0	BB	TVAN1204.3
25.0	CB	TVAN1205.1
50.0	CC	TVAN1206.1
100.0	DD 20 WW	TVAN1207.1
20.0	30 WV <sub>DC</sub> CB	TVAN1220
20.0	50 WV <sub>DC</sub>	TVAN1220
2.0	BA	TVAN1301.1
2.0		
3.0	BA BB	TVAN1302.1
5.0		TVAN1303.1
8.0	BB CB	TVAN1303.4
10.0 25.0	DC	TVAN1304.1
	DD	TVAN1306.1
50.0	DH	TVAN1308.1 TVAN1310.1
100.0		IVAN1310.1
10.0	<b>100 WV<sub>DC</sub></b> EJ	TVAN1333
	EJ FJ	
20.0		TVAN1335
60.0	<b>200 WV</b> <sub>DC</sub> JP	T\/ANI4.440
60.0		TVAN1440
4.0	300 WV <sub>DC</sub>	T\/AN14500
1.0	EG 250 MM	TVAN1560
5.0 T	350 WV <sub>DC</sub>	T///N/4000
5.0	GJ	TVAN1602
00.0	400 WV <sub>DC</sub>	T (AN) ( 050
20.0	JL	TVAN1652

#### Note

 $<sup>^{\</sup>left(1\right)}\,$  For other capacitance and voltage ratings, please see types 500D and 53D.



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