

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} 101 WV _{DC} to 475 WV _{DC} 500 WV _{DC} and higher	- 40 °C to + 85 °C - 20 °C to + 85 °C 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 (μ F)	CASE CODE	PART NUMBER ⁽¹⁾
SINGLE UNITS (POLARIZED)		
6 WV_{DC}		
200.0	CB	TVA1101.7
10 WV_{DC}		
5000.0	GK	TVA1129.5
16 WV_{DC}		
25.0	BA	TVA1148
50.0	BB	TVA1150
100.0	CB	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	FK	TVA1170
3000.0	GH	TVA1175
5000.0	JL	TVA1175.5
10 000.0	LP	TVA1175.8
25 WV_{DC}		
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_{DC}		
500.0	EH	TVA1227
5500.0	JB	TVA1229
50 WV_{DC}		
1.0	BA	TVA1300
2.0	BA	TVA1301
5.0	BA	TVA1303
5.0	BA	TVA1303.1
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
600.0	GH	TVA1315.2
1000.0	GK	TVA1316

Note

(1) For other capacitance and voltage ratings, please see types 500D and 53D.

**ELECTRICAL DATA AND ORDERING INFORMATION**

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

Note

⁽¹⁾ For other capacitance and voltage ratings, please see types 500D and 53D.



ELECTRICAL DATA AND ORDERING INFORMATION		
CAPACITANCE (μ F)	CASE CODE	PART NUMBER ⁽¹⁾
SINGLE UNITS (POLARIZED)		
450 WV_{DC}		
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
475 WV_{DC}		
16.0	HJ	TVA1803.1
500 WV_{DC}		
20.0	HL	TVA1906
40.0	JN	TVA1908
30.0	JJ	TVA1907
600 WV_{DC}		
10.0	JR	TVA1963
20.0	JW	TVA1966
NON-POLARIZED		
10 WV_{DC}		
50.0	CB	TVAN1117
25 WV_{DC}		
10.0	BB	TVAN1204.1
16.0	BB	TVAN1204.3
25.0	CB	TVAN1205.1
50.0	CC	TVAN1206.1
100.0	DD	TVAN1207.1
30 WV_{DC}		
20.0	CB	TVAN1220
50 WV_{DC}		
2.0	BA	TVAN1301.1
3.0	BA	TVAN1302.1
5.0	BB	TVAN1303.1
8.0	BB	TVAN1303.4
10.0	CB	TVAN1304.1
25.0	DC	TVAN1306.1
50.0	DD	TVAN1308.1
100.0	DH	TVAN1310.1
100 WV_{DC}		
10.0	EJ	TVAN1333
20.0	FJ	TVAN1335
200 WV_{DC}		
60.0	JP	TVAN1440
300 WV_{DC}		
1.0	EG	TVAN1560
350 WV_{DC}		
5.0	GJ	TVAN1602
400 WV_{DC}		
20.0	JL	TVAN1652

Note

⁽¹⁾ For other capacitance and voltage ratings, please see types 500D and 53D.



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