Aluminum Capacitors
Little-Lytic Electrolytics

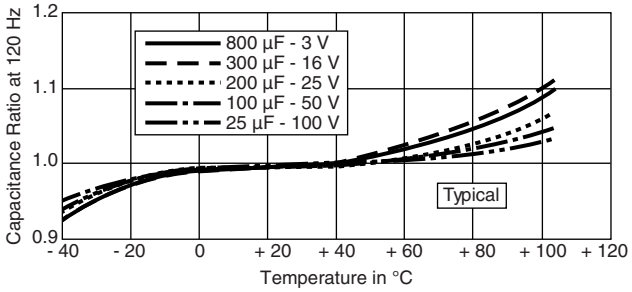
FEATURES

- Proven dependable performance in the industrial and electronic equipment with either transistor or modified electron-tube circuits
- All terminal connections welded, eliminating possibility of open or intermittent contacts occasionally found in pressure joints of conventional capacitors
- Superior in size, performance characteristics, shelf life, construction and reliability
- Metal-encased with clear plastic outer insulating sleeve
- Excellent circuit performance when used as coupling capacitors
- Minimum drain and long battery life when used in battery bypass applications
- Better performance under life test than most miniature aluminum electrolytic capacitors
- Axial lead
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

Pb-free Available

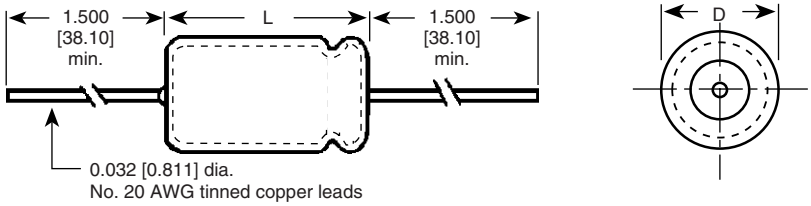
QUICK REFERENCE DATA	
DESCRIPTION	**VALUE**
Operating temperature	- 40 °C to + 105 °C
Tolerance on C_R	G = + 75 %, - 10 % and F = + 50 %, - 10 %
Ripple current	10 Ω to 600 Ω max. at 120 Hz, depending upon capacitance
Life validation test 2000 h at + 85 °C	After test, capacitance value shall not have changed by more than ± 20 %, the equivalent series resistance in ohms shall not have exceeded 150 % of initial requirement and the leakage current shall not have exceeded the initial requirement.
DC leakage current	Maximum DC leakage current at + 25 °C for all capacitors is 15 µA, except units in case code DD, which is 15.8 µA.
Shelf test 250 h at + 85 °C, with no voltage applied	The capacitance and equivalent series resistance shall meet the initial requirements and the DC leakage current shall not exceed 300 % of the initial requirement.

CAPACITANCE VS. TEMPERATURE



DIMENSIONS in millimeters		
CASE CODE	**D**	**L**
BA	6.3 ± 0.7	13.0 ± 1.4
BB	6.3 ± 0.7	17.5 ± 1.7
CB	8.0 ± 0.6	17.5 ± 1.7
CC	8.0 ± 0.6	20.5 ± 1.8
DB	9.0 ± 0.7	17.5 ± 1.7
DC	9.0 ± 0.7	20.5 ± 1.8
DD	9.0 ± 0.7	24.0 ± 1.5
DF	9.0 ± 0.7	32.0 ± 1.5
DH	9.0 ± 0.7	38.0 ± 1.8

DIMENSIONS AND AVAILABLE FORMS



ORDERING EXAMPLE

Order by distribution part no. Example: TE1055

Note

- For lead (Pb)-free/RoHS compliant products add the suffix “-E3” to the shortened Distribution part. no.

Example: TE1055-E3

Note

- For lead (Pb)-free/RoHS compliant products add the suffix “E3” to the standard OEM part no.

Example: 30D256G003BA2E3

ELECTRICAL DATA AND ORDERING INFORMATION

CAPACITANCE (µF)	CASE CODE	DISTRIBUTOR PART NUMBER	DESCRIPTOR PART NUMBER
3 WV_{DC}			
1.0	-	See 50 WV_{DC} listing	-
2.0	-	See 50 WV_{DC} listing	-
3.0	-	See 50 WV_{DC} listing	-
4.0	-	See 50 WV_{DC} listing	-
5.0	-	See 25 WV_{DC} listing	-
6.0	-	See 25 WV_{DC} listing	-
8.0	-	See 25 WV_{DC} listing	-
10.0	-	See 16 WV_{DC} listing	-
15.0	-	See 12 WV_{DC} listing	-
20.0	-	See 6 WV_{DC} listing	-
25.0	BA	TE1055	30D256G003BA2
50.0	-	See 6 WV_{DC} listing	-
75.0	-	See 6 WV_{DC} listing	-
100.0	CB	TE1059.5	30D107G003CB2
200.0	CC	TE1064	30D207G003CC2
300.0	DC	TE1066	30D307G003DC2
500.0	DF	TE1068	30D507G003DF2
6 WV_{DC}			
1.0	-	See 50 WV_{DC} listing	-
2.0	-	See 50 WV_{DC} listing	-
3.0	-	See 50 WV_{DC} listing	-
4.0	-	See 50 WV_{DC} listing	-
5.0	-	See 25 WV_{DC} listing	-
6.0	-	See 25 WV_{DC} listing	-
8.0	-	See 25 WV_{DC} listing	-
10.0	-	See 16 WV_{DC} listing	-
15.0	-	See 12 WV_{DC} listing	-
20.0	BA	TE1090	30D206G006BA2
25.0	-	See 16 WV_{DC} listing	-
35.0	BB	TE1093	30D356G006BB2
50.0	BB	TE1100	30D506G006BB2
75.0	CB	TE1101.5	30D756G006CB2
100.0	-	See 12 WV_{DC} listing	-
200.0	DC	TE1104	30D207G006DC2
250.0	DD	TE1105	30D257G006DD2
300.0	DD	TE1106	30D307G006DD2
400.0	DF	TE1107	30D407G006DF2
500.0	DH	TE1107.5	30D507G006DH2
600.0	DH	TE1108.5	30D607G006DH2

ELECTRICAL DATA AND ORDERING INFORMATION			
CAPACITANCE (µF)	CASE CODE	DISTRIBUTOR PART NUMBER	DESCRIPTOR PART NUMBER
12 WV_{DC}			
1.0	-	See 50 WV_{DC} listing	-
2.0	-	See 50 WV_{DC} listing	-
3.0	-	See 50 WV_{DC} listing	-
4.0	-	See 50 WV_{DC} listing	-
5.0	-	See 25 WV_{DC} listing	-
6.0	-	See 25 WV_{DC} listing	-
8.0	-	See 25 WV_{DC} listing	-
10.0	-	See 16 WV_{DC} listing	-
15.0	BA	TE1129	30D156G012BA2
20.0	-	See 16 WV_{DC} listing	-
25.0	-	See 16 WV_{DC} listing	-
50.0	-	See 16 WV_{DC} listing	-
60.0	CB	TE1133.5	30D606G012CB2
75.0	-	See 16 WV_{DC} listing	-
100.0	CC	TE1135	30D107G012CC2
150.0	-	See 16 WV_{DC} listing	—
200.0	-	See 16 WV_{DC} listing	—
250.0	-	See 16 WV_{DC} listing	—
290.0	DF	TE1139	30D297G012DF2
16 WV_{DC}			
1.0	-	See 50 WV_{DC} listing	-
2.0	-	See 50 WV_{DC} listing	-
3.0	-	See 50 WV_{DC} listing	-
4.0	-	See 50 WV_{DC} listing	-
5.0	-	See 25 WV_{DC} listing	-
6.0	-	See 25 WV_{DC} listing	-
8.0	-	See 25 WV_{DC} listing	-
10.0	BA	TE1155	30D106G016BA2
15.0	-	See 25 WV_{DC} listing	-
20.0	BB	TE1157	30D206G016BB2
25.0	BB	TE1157.1	30D256G016BB2
30.0	-	See 25 WV_{DC} listing	-
35.0	-	See 25 WV_{DC} listing	-
50.0	CB	TE1160	30D506G016CB2
75.0	CC	TE1161	30D756G016CC2
100.0	DC	TE1162	30D107G016DC2
150.0	DD	TE1163	30D157G016DD2
200.0	DF	TE1164	30D207G016DF2
250.0	DF	TE1164.5	30D257G016DF2
300.0	DH	TE1165.5	30D307G016DH2
350.0	DH	TE1166	30D357G016DH2

ELECTRICAL DATA AND ORDERING INFORMATION

CAPACITANCE (µF)	CASE CODE	DISTRIBUTOR PART NUMBER	DESCRIPTOR PART NUMBER
25 WV_{DC}			
1.0	-	See 50 WV_{DC} listing	-
2.0	-	See 50 WV_{DC} listing	-
3.0	-	See 50 WV_{DC} listing	-
4.0	-	See 50 WV_{DC} listing	-
5.0	BA	TE1202	30D505G025BA2
6.0	BA	TE1203	30D605G025BA2
8.0	BA	TE1203.5	30D805G025BA2
10.0	BB	TE1204	30D106G025BB2
15.0	BB	TE1205	30D156G025BB2
20.0	CB	TE1206	30D206G025CB2
25.0	CB	TE1207	30D256G025CB2
30.0	CB	TE1207.5	30D306G025CB2
35.0	CB	TE1208	30D356G025CB2
50.0	CC	TE1209	30D506G025CC2
75.0	DC	TE1210	30D756G025DC2
100.0	DD	TE1211	30D107G025DD2
150.0	DF	TE1212	30D157G025DF2
200.0	DH	TE1213	30D207G025DH2
50 WV_{DC}			
1.0	BA	TE1300	30D105G050BA2
2.0	BA	TE1301	30D205G050BA2
3.0	BA	TE1302	30D305G050BA2
4.0	BA	TE1302.1	30D405G050BA2
5.0	BB	TE1303	30D505G050BB2
6.0	BB	TE1303.1	30D605G050BB2
8.0	BB	TE1303.3	30D805G050BB2
10.0	CB	TE1304	30D106G050CB2
15.0	CB	TE1304.2	30D156G050CB2
20.0	CC	TE1305	30D206G050CC2
25.0	CC	TE1305.5	30D256G050CC2
35.0	DC	TE1306	30D356G050DC2
50.0	DD	TE1307	30D506G050DD2
75.0	DF	TE1308	30D756G050DF2
100.0	DH	TE1309	30D107G050DH2
100 WV_{DC}			
1.0	BA	TE1400	30D105F100BA2
2.0	BB	TE1401	30D205F100BB2
3.0	CB	TE1402	30D305F100CB2
4.0	CB	TE1403	30D405F100CB2
5.0	CC	TE1404	30D505F100CC2
10.0	DC	TE1407	30D106F100DC2
15.0	DD	TE1408	30D156F100DD2
20.0	DF	TE1409	30D206F100DF2
25.0	DH	TE1410	30D256F100DH2
30.0	DH	TE1411	30D306F100DH2
150 WV_{DC}			
1.0	BA	TE1500	30D105F150BA2
2.0	BB	TE1501	30D205F150BB2
3.0	CB	TE1502	30D305F150CB2
4.0	CC	TE1503	30D405F150CC2
5.0	CC	TE1504	30D505F150CC2
8.0	DC	TE1506	30D805F150DC2
10.0	DD	TE1507	30D106F150DD2
15.0	DF	TE1508.1	30D156F150DF2
20.0	DH	TE1509	30D206F150DH2

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