Aluminum Capacitors
Little-Lytic™ Electrolytics



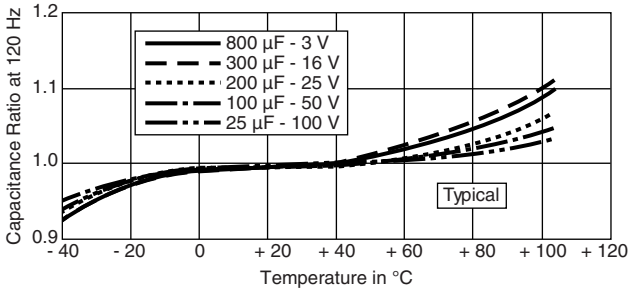
FEATURES

- 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

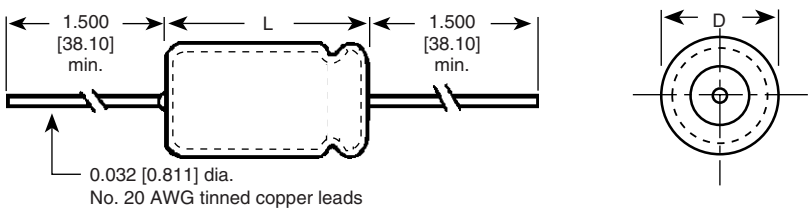
QUICK REFERENCE DATA	
DESCRIPTION	**VALUE**
Operating temperature	-40 °C to +105 °C
Tolerance on C_R	G = +75 %, -10 % and F = +50 %, -10 %
Ripple current	10 mA to 600 mA max. at 120 Hz, depending upon capacitance and voltage.
Life validation test 2000 h at +85 °C	After test, capacitance value shall not 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	9.5 ± 0.7	17.5 ± 1.7
DC	9.5 ± 0.7	20.5 ± 1.8
DD	9.5 ± 0.7	24.0 ± 1.5
DF	9.5 ± 0.7	32.0 ± 1.5
DH	9.5 ± 0.7	38.0 ± 1.8

DIMENSIONS AND AVAILABLE FORMS



For technical questions, contact: aluminumcaps4@vishay.com

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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

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	30D256G003BA2A
50.0	-	See 6 WV_{DC} listing	-
75.0	-	See 6 WV_{DC} listing	-
100.0	CB	TE1059.5	30D107G003CB2A
200.0	CC	TE1064	30D207G003CC2A
300.0	DC	TE1066	30D307G003DC2A
500.0	DF	TE1068	30D507G003DF2A
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	30D206G006BA2A
25.0	-	See 16 WV_{DC} listing	-
35.0	BB	TE1093	30D356G006BB2A
50.0	BB	TE1100	30D506G006BB2A
75.0	CB	TE1101.5	30D756G006CB2A
100.0	-	See 12 WV_{DC} listing	-
200.0	DC	TE1104	30D207G006DC2A
250.0	DD	TE1105	30D257G006DD2A
300.0	DD	TE1106	30D307G006DD2A
400.0	DF	TE1107	30D407G006DF2A
500.0	DH	TE1107.5	30D507G006DH2A
600.0	DH	TE1108.5	30D607G006DH2A

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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	30D156G012BA2A
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	30D606G012CB2A
75.0	-	See 16 WV_{DC} listing	-
100.0	CC	TE1135	30D107G012CC2A
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	30D297G012DF2A
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	30D106G016BA2A
15.0	-	See 25 WV_{DC} listing	-
20.0	BB	TE1157	30D206G016BB2A
25.0	BB	TE1157.1	30D256G016BB2A
30.0	-	See 25 WV_{DC} listing	-
35.0	-	See 25 WV_{DC} listing	-
50.0	CB	TE1160	30D506G016CB2A
75.0	CC	TE1161	30D756G016CC2A
100.0	DC	TE1162	30D107G016DC2A
150.0	DD	TE1163	30D157G016DD2A
200.0	DF	TE1164	30D207G016DF2A
250.0	DF	TE1164.5	30D257G016DF2A
300.0	DH	TE1165.5	30D307G016DH2A
350.0	DH	TE1166	30D357G016DH2A

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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	30D505G025BA2A
6.0	BA	TE1203	30D605G025BA2A
8.0	BA	TE1203.5	30D805G025BA2A
10.0	BB	TE1204	30D106G025BB2A
15.0	BB	TE1205	30D156G025BB2A
20.0	CB	TE1206	30D206G025CB2A
25.0	CB	TE1207	30D256G025CB2A
30.0	CB	TE1207.5	30D306G025CB2A
35.0	CB	TE1208	30D356G025CB2A
50.0	CC	TE1209	30D506G025CC2A
75.0	DC	TE1210	30D756G025DC2A
100.0	DD	TE1211	30D107G025DD2A
150.0	DF	TE1212	30D157G025DF2A
200.0	DH	TE1213	30D207G025DH2A
50 WV_{DC}			
1.0	BA	TE1300	30D105G050BA2A
2.0	BA	TE1301	30D205G050BA2A
3.0	BA	TE1302	30D305G050BA2A
4.0	BA	TE1302.1	30D405G050BA2A
5.0	BB	TE1303	30D505G050BB2A
6.0	BB	TE1303.1	30D605G050BB2A
8.0	BB	TE1303.3	30D805G050BB2A
10.0	CB	TE1304	30D106G050CB2A
15.0	CB	TE1304.2	30D156G050CB2A
20.0	CC	TE1305	30D206G050CC2A
25.0	CC	TE1305.5	30D256G050CC2A
35.0	DC	TE1306	30D356G050DC2A
50.0	DD	TE1307	30D506G050DD2A
75.0	DF	TE1308	30D756G050DF2A
100.0	DH	TE1309	30D107G050DH2A
100 WV_{DC}			
1.0	BA	TE1400	30D105F100BA2A
2.0	BB	TE1401	30D205F100BB2A
3.0	CB	TE1402	30D305F100CB2A
4.0	CB	TE1403	30D405F100CB2A
5.0	CC	TE1404	30D505F100CC2A
10.0	DC	TE1407	30D106F100DC2A
15.0	DD	TE1408	30D156F100DD2A
20.0	DF	TE1409	30D206F100DF2A
25.0	DH	TE1410	30D256F100DH2A
30.0	DH	TE1411	30D306F100DH2A
150 WV_{DC}			
1.0	BA	TE1500	30D105F150BA2A
2.0	BB	TE1501	30D205F150BB2A
3.0	CB	TE1502	30D305F150CB2A
4.0	CC	TE1503	30D405F150CC2A
5.0	CC	TE1504	30D505F150CC2A
8.0	DC	TE1506	30D805F150DC2A
10.0	DD	TE1507	30D106F150DD2A
15.0	DF	TE1508.1	30D156F150DF2A
20.0	DH	TE1509	30D206F150DH2A

Statements about product lifetime are based on calculations and internal testing. They should only be interpreted as estimations. Also due to external factors, the lifetime in the field application may deviate from the calculated lifetime. In general, nothing stated herein shall be construed as a guarantee of durability.

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