







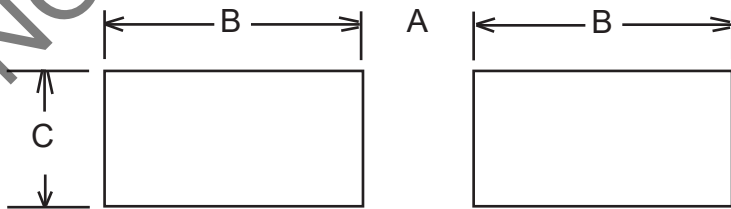
# Type AVE -40 °C to 85 °C General Purpose SMT Capacitors

## Aluminum Electrolytic Capacitors for Filtering and Bypass

Cap (µF)	Catalog Part Number	Max. DCL 2 min. (µA)	Max. DF @120Hz/20°C	Max. E.S.R. @120Hz/20°C (Ω)	Max. Ripple Current @120Hz/85°C (mA)	Case Code	Size D x L (mm)	Qty. Per Reel (Each)
.10	AVE104M50B12T-F*	3.0	0.1	1657.83	3	B	4x5.3	2000
.22	AVE224M50B12T-F*	3.0	0.1	753.56	5	B	4x5.3	2000
.33	AVE334M50B12T-F*	3.0	0.1	502.37	6	B	4x5.3	2000
.47	AVE474M50B12T-F*	3.0	0.1	352.73	7	B	4x5.3	2000
1	AVE105M50B12T-F	3.0	0.1	165.78	10	B	4x5.3	2000
2.2	AVE225M50B12T-F	3.0	0.1	75.36	15	B	4x5.3	2000
3.3	AVE335M50B12T-F	3.0	0.1	50.24	19	B	4x5.3	2000
4.7	AVE475M50C12T-F	3.0	0.1	35.27	26	C	5x5.3	1000
10	AVE106M50D16T-F	5.0	0.1	16.58	44	D	6.3x5.3	1000
22	AVE226M50X16T-F	11.0	0.1	7.54	65	X	6.3x7.7	1000
22	AVE226M50E16T-F	11.0	0.1	7.54	155	E	8x6.5	1000
33	AVE336M50X16T-F	16.5	0.1	5.02	82	X	6.3x7.7	1000
33	AVE336M50E16T-F	16.5	0.1	5.02	155	E	8x6.5	1000
47	AVE476M50X16T-F	23.5	0.1	3.53	98	X	6.3x7.7	1000
47	AVE476M50F24T-F	23.5	0.1	3.53	252	F	8x10	500
68	AVE686M50F24T-F	34.0	0.1	2.44	252	F	8x10	500
100	AVE107M50F24T-F	50.0	0.1	1.66	252	F	8x10	500
220	AVE227M50G24T-F	110.0	0.1	0.75	458	G	10x10	500
<b>63 Vdc ( 75 Vdc Surge )</b>								
10	AVE106M63E16T-F	6.3	0.1	16.58	75	E	8x6.5	1000
22	AVE226M63F24T-F	13.9	0.1	7.54	139	F	8x10	500
33	AVE336M63F24T-F	20.8	0.1	5.02	139	F	8x10	500
47	AVE476M63G24T-F	29.6	0.1	3.53	226	G	10x10	500
68	AVE686M63G24T-F	42.8	0.1	2.44	226	G	10x10	500
100	AVE107M63G24T-F	63.0	0.1	1.66	226	G	10x10	500
<b>100 Vdc ( 125 Vdc Surge )</b>								
10	AVE106M2AF24T-F	10	0.1	16.58	94	F	8x10	500
22	AVE226M2AG24T-F	22	0.1	7.54	189	G	10x10	500
33	AVE336M2AG24T-F	33	0.1	5.02	189	G	10x10	500

\*denotes discontinued part

### Recommended Land Patterns by case size for AVE series



Case Code	Case Size	Land Dimensions (mm)		
		C	B	A
A	3x5.3	1.6	2.2	0.8
B	4x5.3	1.6	2.6	1.0
C	5x5.3	1.6	3.0	1.4
D	6.3x5.3	1.6	3.5	1.9
X	6.3x7.7	1.6	3.5	1.9
E	8x6.5	1.6	4.0	2.1
F	8x10	2.5	3.5	3.0
G	10x10	2.5	4.0	4.0

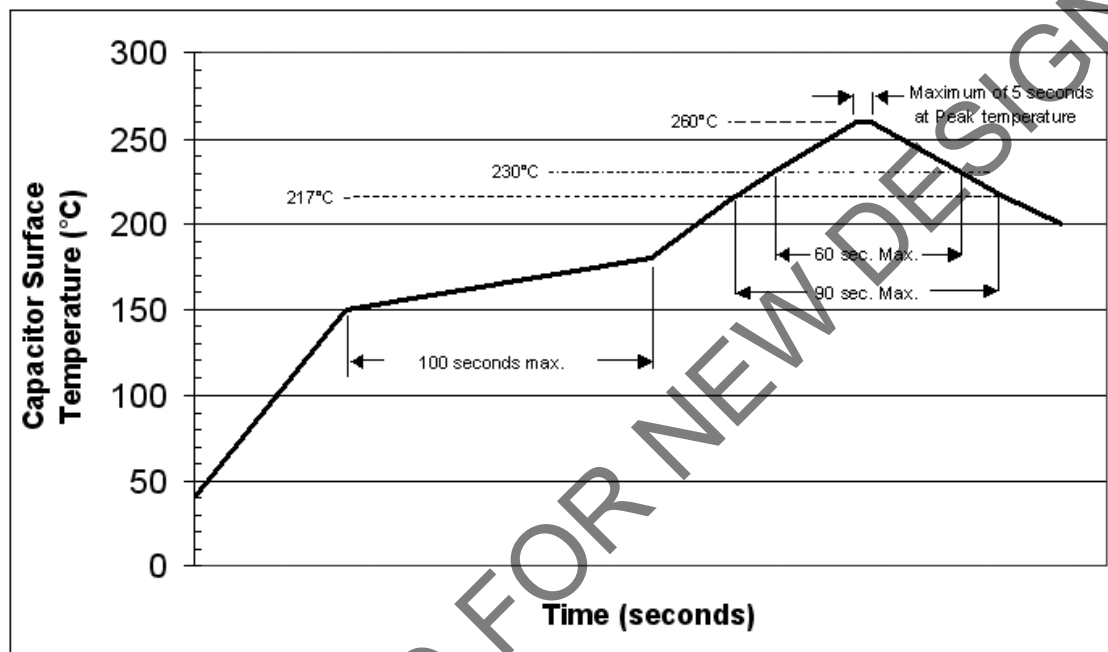
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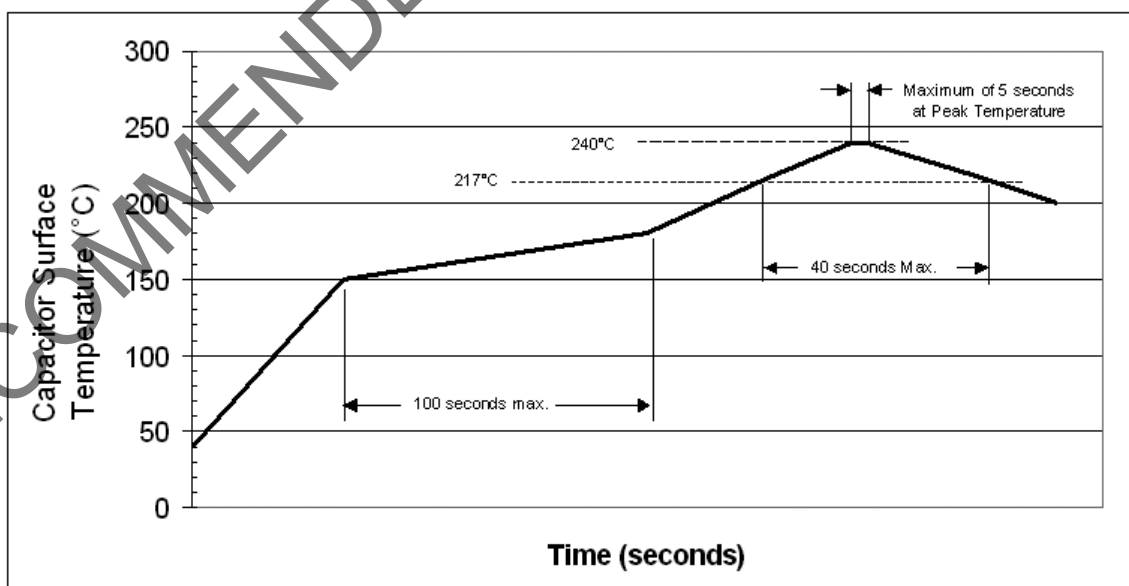
### Recommended Soldering Methods

Recommended Reflow Soldering Profile:

For case diameters  
3 thru 6.3 mm



For case diameters  
8 and 10 mm



Case sizes 4 thru 6.3 mm dia. should be subjected to just one reflow soldering process.  
The 8 and 10 mm dia. case sizes should be subjected to a maximum of two reflow soldering processes.

Soldering with a solder iron should be performed with a maximum soldering iron tip temperature of  $350 \pm 5^\circ\text{C}$  for 3 to 4 seconds.

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NOT RECOMMENDED FOR NEW DESIGN