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EIA STANDARD

Ceramic Dielectric Capacitors Classes I, II, III and IV – Part III: Detail Specification Sheets – Section 4: Radial Through-Hole Capacitor, Conformally Coated and Molded Types

EIA-198-3-4-F
(Revision of EIA-198-3-4-E)

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EIA Standards

Electronic Components Association

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(From Standards Proposal No. 5153 formulated under the cognizance of the P-2.1 Ceramic Capacitors Standards Committee).

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EIA Detail Specification Sheet

Ceramic, Radial Through-Hole, Conformally Coated and Molded Types

Figure 1. Ceramic, Radial Through-Hole Conformally Coated Capacitor Dimensions

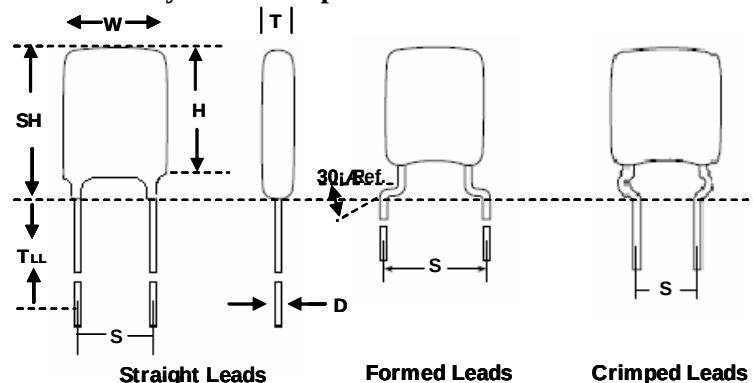
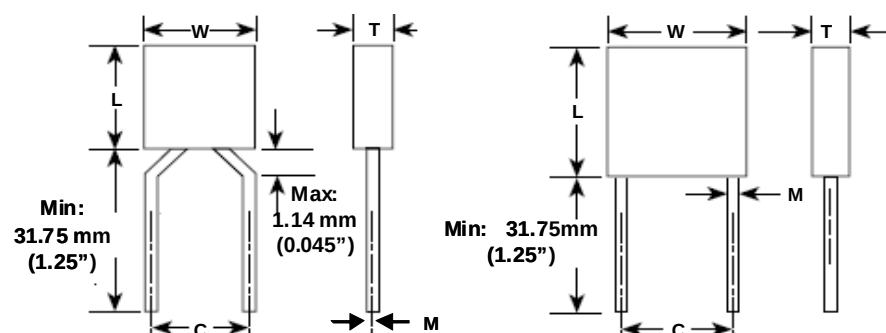


Figure 2. Ceramic, Radial Through-Hole, Molded Capacitor Dimensions



Radial Through-Hole Body Dimensions						
Size Identifier	W – Max. Millimeters (Inches)	H – Max. Millimeters (Inches)	T – Max. Millimeters (Inches)	S Millimeters ± 0.76 (Inches ± 0.030)	SH – Max. Millimeters (Inches)	D Millimeters $+0.10/-0.03$ (Inches $+0.004/-0.001$)
Radial Through-Hole, Conformally Coated						
- 15	3.81 (0.150)	3.81 (0.150)	2.54 (0.100)	2.54 (0.100)	4.75 (0.187)	0.51 (0.020)
- 20	5.08 (0.200)	5.08 (0.200)	3.18 (0.125)	2.54 (0.100)	5.84 (0.230)	0.51 (0.020)
- 30	7.62 (0.300)	7.62 (0.300)	3.81 (0.150)	5.08 (0.200)	8.38 (0.330)	0.51 (0.020)
- 40	10.16 (0.400)	10.16 (0.400)	3.81 (0.150)	5.08 (0.200)	12.07 (0.475)	0.64 (0.025)
- 50	12.70 (0.500)	12.70 (0.500)	5.08 (0.200)	10.16 (0.400)	13.46 (0.530)	0.64 (0.025)

Radial Through-Hole, Molded					
Size Identifier	Case Width – W Millimeters (Inches)	Case Length – L Millimeters (Inches)	Case Thickness – T Millimeters (Inches)	Lead Space – C Millimeters (Inches)	Lead Diameter – M Millimeters $+0.102/-0.025$ (Inches $+0.004/-0.001$)
- 05	4.83 ± 0.254 (0.190 $\pm$ 0.01)	4.83 ± 0.254 (0.190 $\pm$ 0.01)	2.29 ± 0.254 (0.90 $\pm$ 0.01)	5.08 ± 0.381 (0.200 $\pm$ 0.015)	0.642 (0.025)
- 06	7.37 ± 0.254 (0.290 $\pm$ 0.01)	7.37 ± 0.254 (0.290 $\pm$ 0.01)	2.29 ± 0.254 (0.90 $\pm$ 0.01)	5.08 ± 0.381 (0.200 $\pm$ 0.015)	0.642 (0.025)
- 07	12.19 ± 0.51 (0.480 $\pm$ 0.020)	12.19 ± 0.51 (0.480 $\pm$ 0.020)	3.56 ± 0.25 (0.140 $\pm$ 0.010)	10.16 ± 0.51 (0.400 $\pm$ 0.020)	0.642 (0.025)
- 08	12.19 ± 0.51 (0.480 $\pm$ 0.020)	12.19 ± 0.51 (0.480 $\pm$ 0.020)	6.10 ± 0.25 (0.240 $\pm$ 0.010)	10.16 ± 0.51 (0.400 $\pm$ 0.020)	0.642 (0.025)

- 1) Original (design) dimensions in inches.
- 2) Other sizes, lead spacings, and lead styles are available – consult suppliers.