

CP Series End Cap

Features

- Low thermal contact impedance and buffer effect
- Good electrical insulation
- Decrease the weight of the product
- Easy to assemble

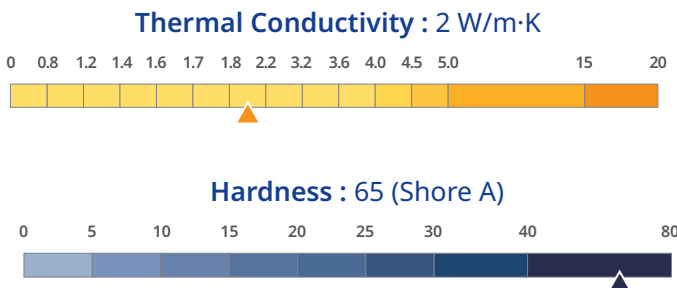
Applications

Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

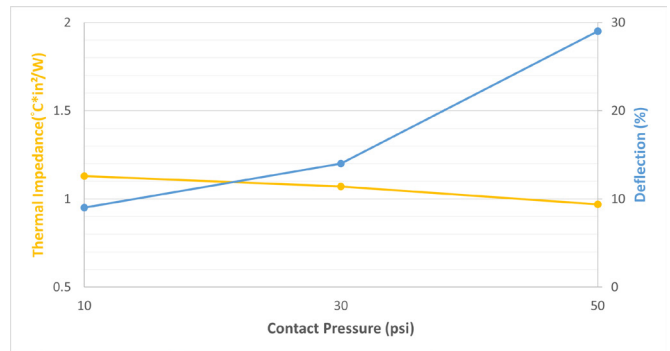
Standard Sizes (mm)

1. CP22 TO-220: 11.4x16x5.8
2. CP23 TO-220: 11.4x21.5x5.8
3. CP33 TO-247: 17.5x28.5x5.8

Properties



Contact Pressure, Thermal Impedance, and Deflection



Properties	Unit	CP22/CP23/CP33	Tolerance	Test Method
Thermal Conductivity	W/m·K	2	±10%	ASTM D5470 Modified
Thickness	mm	0.45	-	ASTM D374
Color	-	Gray	-	-
Material	-	Silicone	-	-
Operating Temperature	°C	-45~+180	-	-
Density	g/cm³	2.55	±5%	ASTM D792
Dielectric Breakdown Voltage (AC)	kV	≥4.1/≥6.1	-	ASTM D149
Dielectric Breakdown Voltage (DC)	kV	≥6.1/≥8.1	-	ASTM D149
Dielectric Constant	1000Hz	5.8	-	ASTM D150
Thermal Impedance @10psi	°C*in² / W	1.13	-	ASTM D5470 Modified
Thermal Impedance @20psi	°C*in² / W	1.07	-	ASTM D5470 Modified
Thermal Impedance @50psi	°C*in² / W	0.97	-	ASTM D5470 Modified
Hardness	Shore A	65	±7	ASTM D2240

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