



# **CP Series / THINC Series Thermal Insulation Rubber Cap**

#### **Features**

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

## **Applications**

Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

### Standard Sizes (mm)

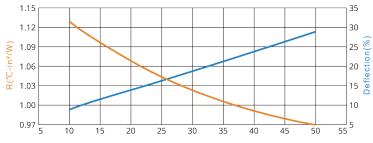
1. CP22 TO-220: 11.4x16x5.8

3. CP33 TO-247: 17.5x28.5x5.8

2. CP23 TO-220: 11.4x21.5x5.8

## **Properties**

#### Thermal Resistance vs. Pressure vs. Deflection



Pressure(psi)	R(°C-in²/W)	Deflection(%)		
10	1.13	9		
20	1.07	14		
50	0.97	29		

30

40

80

Thermal Conductivity: 2 W/mK

0.8 1.2 1.4 1.6 1.7 1.8 2.2 3.2 3.6 4.0 4.5 5.0

Hardness: 65 (Shore A) 25

20

10

Properties	CP22/CP23/CP33	Unit	Tolerance	Test Method
Thermal Conductivity	2	W/mK	±10%	ASTM D5470
Thickness	0.3/0.45	mm	-	ASTM D374
Colour	Grey	-	-	Visual
Material	Silicone	-	-	-
Continuous Working Temperature	-45~+180	° C	-	-
Density	2.55	g/cm³	-	ASTM D792
Dielectric Breakdown Voltage (AC)	4.1/6.1	KV	±10%	ASTM D149
Dielectric Breakdown Voltage (DC)	6.1/8.1	KV	±10%	ASTM D149
Dielectric Constant	5.8	1000Hz	-	ASTM D150
Thermal Impedance@10psi	1.13	° C-in² / W		ASTM D5470
Thermal Impedance@20psi	1.07	° C-in² / W	-	ASTM D5470
Thermal Impedance@50psi	0.97	° C-in² / W	-	ASTM D5470
Hardness	65	Shore A	±7	ASTM D2240

15

20

0

### T-Global Technology (Europe & North America) Limited

t-Global

T-Global Technology are proud to announce the launch of a new company logo and mission statement as part of the ongoing growth and evolution of our company's brand.

Units 1-2 Cosford Business Park, Central Park, Lutterworth, Leicestershire, LE17 4QU, United Kingdom **E** sales@tglobaltechnology.com **T** +44 (0)1455 553 510 **W** www.tglobaltechnology.com

NOTICE: The information contained herein is to the best of our knowledge true and accurate. Values stated in this technical data sheet represent typical values as not all tests are run on each lot of material produced. All specifications are subject to change without notice. The protective film does not affect the function of the product. If there is no special requirement, the default depends on T-Global. Since the varied conditions of potential use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part and users should make their own test to determine the suitability of our products in any specific situation. This product is sold without warranty either expressed or implied, of fitness for a particular purpose or otherwise, except that this product shall be of standard quality, and except to the extent otherwise stated in T-Global Technology's invoice, quotation, or order acknowledgment.