



TG-PCM095

Phase Change Materials

REACH Compliant RoHS Compliant

Features

- Good flow rate over phase change temperature
- Fully filled the gaps of contact surface
- Low thermal impedance

Applications

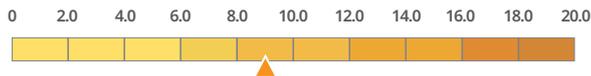
Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Storage

Shelf Life: 12 months at or below 25°C

Properties

Thermal Conductivity : 9.5 W/m·K



| Properties | Unit | TG-PCM095 | Test Method |
|------------------------------|------------------------|---------------|-------------|
| Thermal Conductivity | W/m·K | 9.5 | ASTM D5470 |
| Thickness | mm | 0.20/0.25 | ASTM D374 |
| | inch | 0.0079/0.0098 | ASTM D374 |
| Color | - | Gray | - |
| Phase Transition Temperature | °C | 45 | - |
| Density | g/cm ³ | 2.55 | ASTM D792 |
| Operating Temperature | °C | -50~+140 | - |
| Thermal Impedance @10psi | °C *in ² /W | 0.0173 | ASTM D5470 |
| Thermal Impedance @30psi | °C *in ² /W | 0.0063 | ASTM D5470 |
| Thermal Impedance @50psi | °C *in ² /W | 0.0057 | ASTM D5470 |

※Die-cut for different shapes

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