

TIC®800H-SP Series is a thermal phase change material in the form of a paste, designed to minimize thermal resistance at the interface and maintain extremely stable performance through reliability testing required for long-life applications. Based on a robust polymer phase change memory structure, this material exhibits excellent wetting properties within a typical operating temperature range, resulting in extremely low surface contact resistance. This proprietary technology provides materials with excellent reliability and maintains low thermal impedance, making phase change memory an ideal choice for high-performance integrated circuit devices.



Features

- » High performance filler and polymer technology
- » Highly conductive filler loading to optimize performance
- » Superior handling and reworkability
- » Superior reliable thermal performance

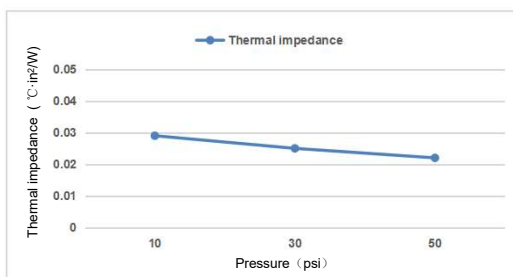
Applications

- » Automotive & Power
- » IT/Enterprise
- » Telecomm
- » Consumer Electronics
- » High-Brightness LED

Typical Properties of TIC®800H-SP Series

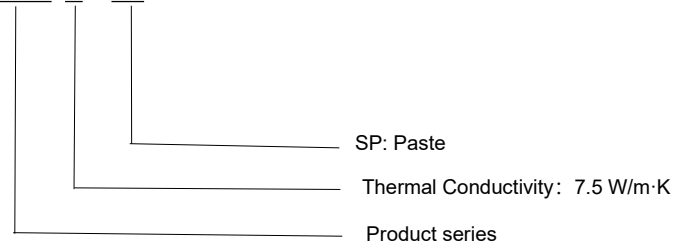
| Property | Value | Test Method |
|--|-------|-------------|
| Color | Gray | Visual |
| Density (g/cm ³) | 2.6 | ASTM D792 |
| Thermal Conductivity (W/m·K) | 7.5 | ASTM D5470 |
| Thermal Impedance @10psi (°C·in ² /W) | 0.03 | ASTM D5470 |
| Thermal Impedance @50psi (°C·in ² /W) | 0.02 | ASTM D5470 |
| Viscosity (mPa·s) | 38000 | GB/T 10247 |

Thermal impedance



Product Identifier

TIC800 H - SP



Product Specifications

Packaging specifications: 0.5kg, 1kg, 2kg; for other packaging requirements, please contact us.

Global solutions: Local support

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