



TIF® 050-11P is a thermally conductive paste with excellent interface thermal resistance characteristics and outstanding plasticity, capable of fully meeting the strict thermal management performance requirements of various designs; this material has extremely low hardness, possesses free-forming ability, and is easy to construct and assemble, demonstrating good stability in high-temperature environments. Its low-stress characteristics are particularly suitable for electronic devices that require high precision and high reliability, effectively reducing the mechanical stress on sensitive components during assembly and operation, ensuring the long-term stable operation of products in various application environments.

Feature

- » Good thermal conductivity
- » Low stress, protect sensitive components.
- » Strong plasticity, good stability
- » Superior dielectric properties

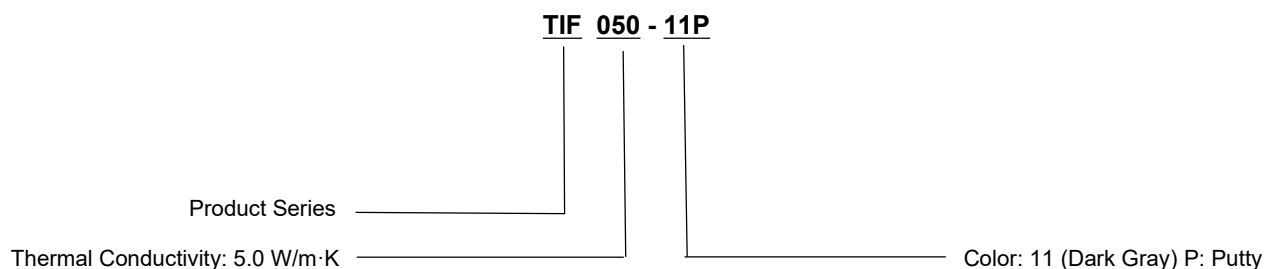
Application

- » Power module
- » LED backlight module, LED lighting
- » High speed hardware driver
- » Micro heat pipe
- » Vehicle engine controller
- » Telecom industry
- » Semiconductor automatic laboratory equipment

TIF® 050-11P TYPICAL PROPERTIES

Property	Value	Test Method
Color	Dark Gray	Visual
Construction & Composition	Ceramic filled silicon material	-
Density (g/cm ³)	3.25	ASTM D792
Thermal Conductivity (W/m·K)	5.0	ASTM D5470
Breakdown Voltage (V/mm)	≥6000	ASTM D149
Dielectric constant @1MHz	7.7	ASTM D150
Volume resistivity (Ohm·cm)	8.0X10 ¹³	ASTM D257
Flame Rating	V-0	UL94

Product Identifier:



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