



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



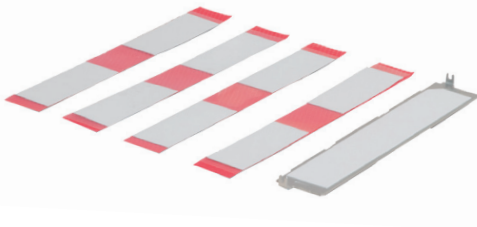
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THIN THERMALLY CONDUCTIVE ELASTOMERIC INTERFACE MATERIAL

Tflex[™] 200T V0 is a specially formulated thin gap filler thermal interface material designed for thin interfaces that require a combination good thermal performance with great reliability. The elastomeric property of Tflex[™] 200T V0 provides good thermal performance in a thin interface where reliability and shock and vibration considerations are critical performance considerations in addition to low thermal resistance.

Tflex[™] 200T V0's unique silicone and ceramic filler technology allows a combination of great reliability, good thermal performance, and easy handling.

FEATURES

- Thermal Conductivity 1.5 W/mK
- Compliant Elastomeric based thin interface material
- Available in 0.008-inch (0.2mm), 0.010-inch (0.25mm), 0.012-inch (0.30mm), 0.015-inch (0.38mm) , and 0.020-inch (0.51mm) thicknesses
- Slightly tacky for adhesion during assembly and transport
- Competitive price for high volume applications
- Available as individual custom parts, sheets, or custom parts converted on a roll

APPLICATIONS

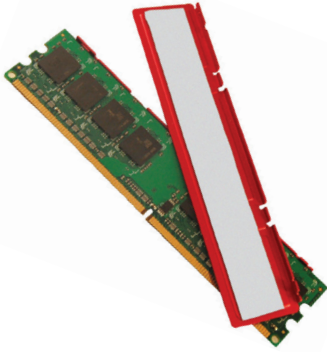
- Memory Modules: DDR2, DDR3, SDRAM, SRAM, RAM, NVRAM
- LED solid state lighting
- Power electronics

Tflex™ 200T V0 Series

Thermal Gap Filler

	8 MIL	10 MIL	15 MIL	TEST METHOD
Construction & Composition	Ceramic filled silicone elastomer, reinforced	Ceramic filled silicone elastomer, reinforced	Ceramic filled silicone elastomer, reinforced	
Color	Light Grey	Light Grey	Light Grey	Visual
Thickness	0.008" (0.203mm)	0.010" (0.254mm)	0.015" (0.381mm)	
Thickness tolerance	±0.0015" (±0.038mm)	±0.0015" (±0.038mm)	±0.00225" (±0.057mm)	
Specific Gravity (Density)	2.32 g/cc	2.32 g/cc	2.32 g/cc	Helium Pycnometer
Hardness 3 seconds (Shore 00)	55	55	55	ASTM D2240
Outgassing TML (Post Cured)	0.38%	0.38%	0.38%	ASTM E595
Outgassing CVCN (Post Cured)	0.11%	0.11%	0.11%	ASTM E595
UL Flammability Rating	94 V0	94 V0	94 V0	E180840
Temperature Range	-45°C to 200°C	-45°C to 200°C	-45°C to 200°C	
Thermal Conductivity	1.5 W/mK	1.5 W/mK	1.5 W/mK	Hot Disk
Thermal Impedance @ 10 psi @ 69 KPa	0.384°C-in²/W 2.48°C-cm²/W	0.488°C-in²/W 3.14°C-cm²/W	0.714°C-in²/W 4.60°C-cm²/W	ASTM D5470 (modified)
Thermal Expansion (30-150°C)	231.19ppm/°C	231.19ppm/°C	231.19ppm/°C	IPC-TM-650 2.4 2.4
Volume Resistivity	3.5x10 ¹⁰ ohm-cm	3.5x10 ¹⁰ ohm-cm	3.5x10 ¹⁰ ohm-cm	ASTM D257
Dielectric Constant @ 1 MHz	5.0	5.1	5.1	ASTM D150

Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.



THR-DS-TFLEX-200T-V0_0714

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