

## THIN THERMALLY CONDUCTIVE ELASTOMERIC INTERFACE MATERIAL

Tflex<sup>™</sup> 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<sup>™</sup> 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<sup>™</sup> 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

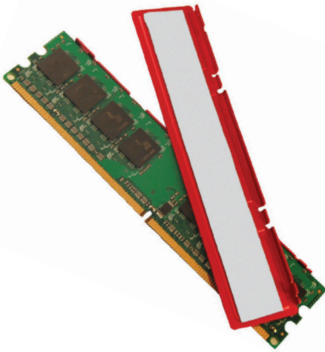
### APPLICATIONS

- 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 CVCM (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-in <sup>2</sup> /W 2.48°C-cm <sup>2</sup> /W	0.488°C-in <sup>2</sup> /W 3.14°C-cm <sup>2</sup> /W	0.714°C-in <sup>2</sup> /W 4.60°C-cm <sup>2</sup> /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 <sup>10</sup> ohm-cm	3.5x10 <sup>10</sup> ohm-cm	3.5x10 <sup>10</sup> 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

Any information furnished by Laird Technologies and its agents is believed to be accurate and reliable. Responsibility for the use and application of Laird Technologies materials rests with the end user since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability, or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies terms and conditions of sale in effect from time to time, a copy of which will be furnished upon request. damages of any kind. All Laird Technologies' products are sold pursuant to the Laird Technologies' terms and conditions of sale in effect from time to time, a copy of which will be furnished upon request. A15922-00 Rev D, 07/14. © 2014 All Rights Reserved. Laird Technologies is a registered trademark of Laird Technologies, Inc.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Thermal Interface Products](#) category:*

*Click to view products by [Laird Connectivity](#) manufacturer:*

Other Similar products are found below :

[7721-9PPS](#) [FGN80-2](#) [PFM-172-60](#) [A-40](#) [174-9-230P](#) [9601-7](#) [5300AC](#) [1.500G](#) [08133](#) [V6622C](#) [TVQF-1225-07S](#) [TP0001](#) [4860](#) [SC80-W2](#)  
[V6516C](#) [A17536-04](#) [A17713-06](#) [A17713-05](#) [A17653-05](#) [A17690-06](#) [A17689-04](#) [A17775-03](#) [A17690-05](#) [A17653-02](#) [A17689-02](#) [A17690-04](#) [A17775-05](#) [A17775-06](#) [A17690-08](#) [A17690-02](#) [A17689-06](#) [A17653-06](#) [A17690-12](#) [A17653-03](#) [A17536-02](#) [A17689-03](#) [A17536-10](#)  
[A17752-13](#) [A17752-04](#) [A17752-07](#) [A17634-12](#) [19-36565-0001-1](#) [A17752-09](#) [22000-001A](#) [A17752-20](#) [A17752-16](#) [A17752-12](#) [A17653-04](#)  
[A17634-10](#) [A17634-09](#) [A17634-07](#)