



Innovative **Technology**  
for a **Connected** World

# Tflex™ SF600 Series Thermal Gap Filler



## COMPLIANT SILICONE-FREE 3.0 W/mK THERMALLY CONDUCTIVE GAP FILLER

Tflex™ SF600 is a high performance, silicone-free thermal gap filler with a conductivity of 3.0 W/mK. Tflex™ SF600 is designed for applications which are silicone sensitive. This material is RoHS compliant.

## FEATURES AND BENEFITS

- Silicone-free gap pad
- Thermal Conductivity for material thicknesses of 10 to 30 mils is 2.8 W/mK
- Thermal Conductivity for material thicknesses of 40 to 140 mils is 3.0 W/mK
- Available in thicknesses from 0.010-inch (0.25 mm) through 0.140-inch (3.56 mm) in 0.010-inch increments

## APPLICATIONS

- Automotive applications
- Applications involving optical components
- Flat panel displays
- Hard drives

**global solutions: local support™**

Americas: +1.800.843.4556

Europe: +49.8031.2460.0

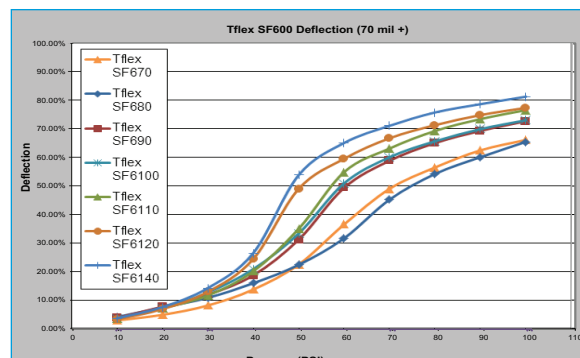
Asia: +86.755.2714.1166

CLV-customerservice@lairdtech.com

[www.lairdtech.com/thermal](http://www.lairdtech.com/thermal)

## Tflex™ SF600 TYPICAL PROPERTIES

	Tflex™ SF600	TEST METHOD
Construction	Boron Nitride filled gap pad	NA
Color	Rose	visual
Thermal Conductivity	3.0 W/mK	Hot Disk
Hardness (Shore 00)	80 Shore 00; 3 seconds	ASTM D2240
Density	1.27 g/cc	Helium Pycnometer
Standard Thickness Range	0.010 - 0.140 inches (0.25 - 3.56 mm)	
Volume Resistivity	10 <sup>14</sup> ohm-cm	ASTM D257
UL Flammability Rating	V0 (pending)	UL 94
Continuous use temperature	-20° to 125°C	TGA
Weight Loss at 125°C	<0.1% over 24 hrs	TGA
Dielectric Constant @ 1 kHz	3.5	ASTM D150



## STANDARD THICKNESSES

Standard thickness is 0.010-inch (0.25 mm) through 0.140-inch (3.56 mm) and available in 0.010-inch (0.25 mm) increments. 0.010-inch is only available in custom cut parts (sheet material is not available).

## MATERIAL NAME AND THICKNESS

Tflex™ indicates Laird Technologies' brand thermally conductive elastomeric gap filler product. SF6xx indicates 'SF600 series' 3.0 W/mK material, and xxx indicates thickness in mils (0.001-inches)

### Examples:

Tflex™ SF620 = 0.020-inch thick material

THR-DS-Tflex-SF600 0412

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user. Laird Technologies makes no warranties as to the fitness, merchantability, suitability or non-infringement 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. © Copyright 2012 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights. Document A16509-00 Rev A, 04/18/12.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Laird Technologies:](#)

[A16367-06](#) [A16367-04](#) [A16367-02](#) [A16367-23](#) [A16366-04](#) [A16367-05](#) [A16366-02](#) [A16366-03](#) [A16367-03](#)  
[A16366-05](#) [A16366-23](#) [A16366-06](#)