



PRODUCT DESCRIPTION

Laird Tflex[™] HD700 is our latest product in our High Deflection series. Tflex[™] HD700 combines a 5 W/mK with superior pressure versus deflection characteristics. The combination will allow minimal stress on components while also yielding low thermal resistance. The result will be higher mean time before failure (MTBF) of your device as less mechanical and thermal stresses will be experienced.

Tflex[™] HD700 is available in thickness from 0.5mm (0.020") to 5mm (0.200"). Laird can provide material to meet your production needs in any region through our local production facilities. Please contact your local Laird sales or field engineering contact for samples or questions.

FEATURES AND BENEFITS

- 5.0 W/mK thermal conductivity
- Low pressure versus deflection
- Excellent surface wetting for low contact resistance
- Minimizes board and component stress
- Large tolerance applications
- Converted parts and sheets available
- .5mm (.020") to 5mm (.200") standard

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Construction	Ceramic filled silicone gap filler	
Color	Pink	Visual
Thermal Conductivity	5.0 W/mK	Hot Disk
Hardness (3 sec)	55 Shore 00 (1-5mm) 66 Shore 00 (0.5-0.75mm)	ASTM D2240
Specific Gravity	3.3	Helium Pycnometer
Flammability	VO - Pending	UL 94
Continuous Use Range	-50 to 200°C	Pending
Outgassing TML	TBD	ASTM E595
Outgassing CVCM	TBD	ASTM E595
Thickness Range	.5mm to 5mm (.020"-.200")	

Americas: +1.800.843.4556

Europe: +49.8031.2460.0

Asia: +86.755.2714.1166

CLV-customerservice@lairdtech.com

www.lairdtech.com/thermal

THR-DS-Tflex HD700_062816

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