

L37-3F

Thermal Pad



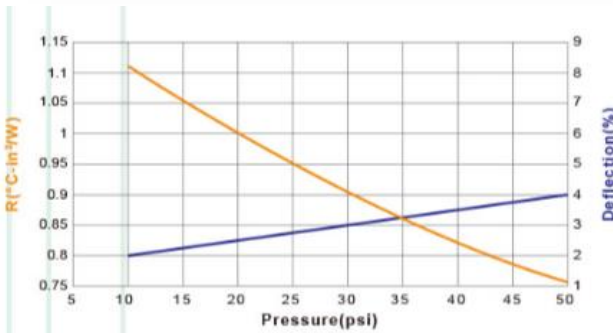
Features

- Made from silicone, thermal conductive particles, fiberglass
- Low elongation
- Electrical insulation
- Easy to assemble

Applications

- High voltage application
- Electronic components: IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook , PC, Telecom Device, Wireless Hub etc.

Thermal Resistance VS. Pressure VS. Deflection



Pressure (psi)	R(°C-in ² /W)	Deflection(%)
10	1.11	2
30	0.91	3
50	0.76	4

Properties

- ◆ REACH Compliant
- ◆ RoHS Compliant
- ◆ UL Compliant

Thermal Conductivity: 1.4 W/m.K

Hardness: 90 (Shore A)

Testing sample thickness: 0.3mm

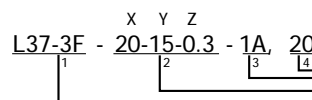
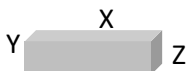
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, L37-3F provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. L37-3F provides good compliance and softness.

Properties	L37-3F	Unit	Tolerance	Test Method
Thermal Conductivity	1.4	W / mK	±0.14	ASTM D5470
Thickness	0.25/0.3/0.45	mm	-	ASTM D374
(the thickness can be ordered)	0.0098/0.0118/0.0177	inch	-	ASTM D374
Color	Yellow	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	3/4/5	KV	±0.3/±0.4/±0.5	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	2	g / cm ³	±0.2	ASTM D792
Working Temperature	-40~+200	°C	-	-
Volume Resistance	>10 ¹¹	Ohm-m	-	ASTM D257
Elongation	5	%	-	ASTM D412
Tensile Strength	150	Kgf / cm ²	-	ASTM D412
Standard Shape	Sheet ones	-	-	-
Hardness	90	Shore A	±3	ASTM D2240

Need samples?

Available to apply adhesive

Roll type is available



1. Choose the P/N
2. Fill into size: X, Y, Z
3. Apply the adhesive or not? 0=none, 1A=one side, 2A=two sides
4. Fill the quantity you need

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Thermal Interface Materials: Thermal Pad, Thermal Tape, Thermal Grease, Ceramic Heat Spreader

