

L37-3S

Thermal Pad



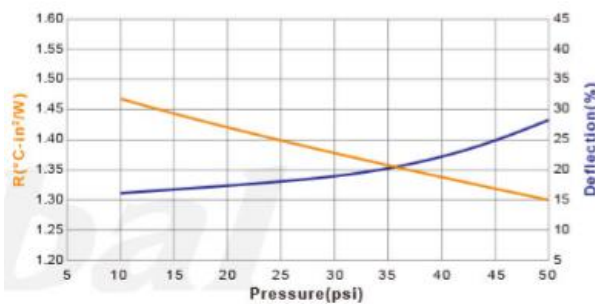
Features

- Great reworkability
- High softness and high compressibility
- Natural tack
- Easy to assemble
- Shock & vibration absorber

Applications

- Low middle range applications
- Electronic components: IC, CPU, MOS, LED,
- Mother Board, Power Supply, Heat Sink, LCD-TV,
- Notebook, PC, Telecom Device, Wireless Hub,
- DDR II Module, DVD Applications, Hand-set applications etc.

Thermal Resistance VS. Pressure VS. Deflection

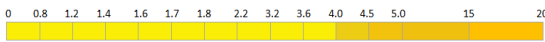


Pressure (psi)	Rt(°C - in ² /W)	Deflection(%)
10	1.47	16
30	1.38	19
50	1.30	28

Properties

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

Thermal Conductivity: 1.95 W/m.K



Hardness: 55 (Shore 00)

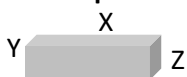


Testing sample thickness: 1.0mm

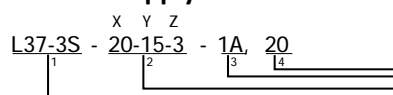
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, L37-3S provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. L37-3S provides good compliance and softness.

Properties	L37-3S	Unit	Tolerance	Test Method
Thermal Conductivity	1.95	W / mK	±0.19	ASTM D5470
Thickness	0.3~20	mm	-	ASTM D374
(the thickness can be ordered)	0.0118~0.787	inch	-	ASTM D374
Color	Yellow	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	13	KV / mm	±1.3	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	2.21	g / cm ³	±0.2	ASTM D792
Working Temperature	-40~+200	°C	-	-
Volume Resistance	>10 ¹⁰	Ohm-m	-	ASTM D257
Elongation	350	%	-	ASTM D412
Tensile Strength	8	Kgf / cm ²	-	ASTM D412
Standard Shape	Sheet ones	-	-	-
Hardness	55	Shore 00	±10	ASTM D2240

Need samples?



Available to apply adhesive



Pre-cut for different shapes

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

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