



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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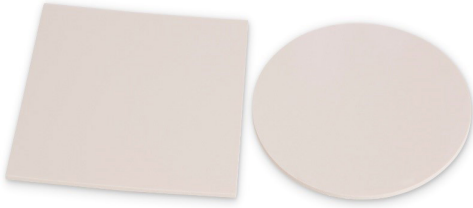




L37-3S

Thermal Conductive Pad

Version 1.280318



Thermal Conductive Pad

L37-3S is an ultra-soft silicone gap filler which has exceptional conformation to surface, a low thermal impedance and high dielectric breakdown voltage. L37-3S can be supplied in various formats ranging from standard sheets to custom die-cut pads in various thicknesses. L37-3S can also be provided with one or two sided thermally conductive adhesive for ease of manufacture.

Features

- Very good thermal conductivity
- Soft and high compressibility
- Natural tack
- Easy to assemble
- Good insulator
- Great reworkability

Applications

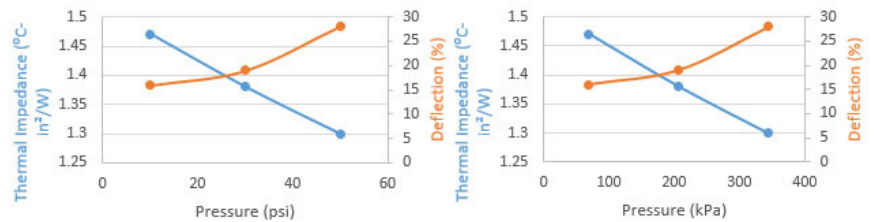
Electronic components: IC, CPU, MOS
 LED, M/B, P/S, Heat Sink
 LCD TV, Notebook PC, PC Telecom Device, Wireless Hub, etc.
 DDR II Module, DVD Applications, Hand-set applications, etc.

Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

Property	L37-3S	Unit	Tolerance	Test Method
Colour	Light yellow	-	-	Visual
Thickness	0.3 - 20	mm	-	ASTM D374
	0.0118 - 0.787	inch	-	ASTM D374
Thermal Conductivity	1.95	W/mK	±0.19	ASTM D5470
Flammability 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 to 200	°C	-	-
Volume Resistance	>10 ¹²	Ohm-cm	-	ASTM D257
Elongation	350	%	±0.2	ASTM D412
Tensile Strength	8	Kgf/cm ²	±5	ASTM D412
Standard Shape	Sheet 320x320	mm	-	-
Hardness	55	Shore 00	±10	ASTM D2240

Thermal Impedance vs Pressure vs Deflection



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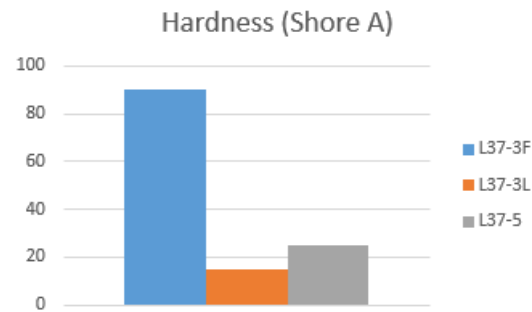
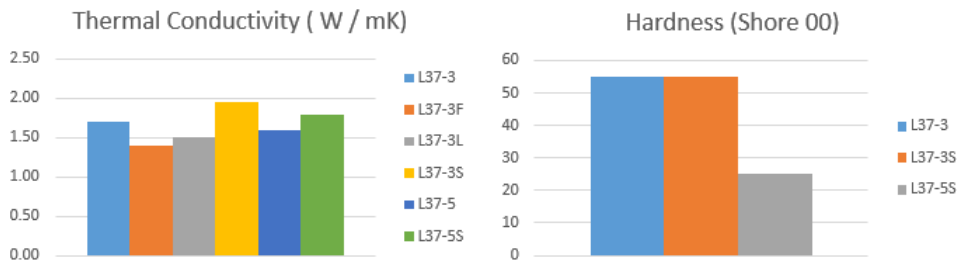
Thermal Conductive Pad

Standard Weights & Dimensional Tolerance

Size	Thickness (mm)	Weights (g)										
		0.30	0.50	0.80	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50
Size	100x100	6.63	11.05	17.68	22.10	33.15	44.20	55.25	66.30	77.35	88.40	99.45
	150x150	14.92	24.86	39.78	49.73	74.59	99.45	124.31	149.18	174.04	198.90	223.76
	300x300	59.67	99.45	159.12	198.90	298.35	397.80	497.25	596.70	696.15	795.60	895.05
	320x320	67.89	113.15	181.04	226.30	339.46	452.61	565.76	678.91	792.06	905.22	1,018.37

Size	Thickness (mm)	Weights (g)										
		5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00
Size	100x100	110.50	121.55	132.60	143.65	154.70	165.75	176.80	187.85	198.90	209.95	221.00
	150x150	248.63	273.49	298.35	323.21	348.08	372.94	397.80	422.66	447.53	472.39	497.25
	300x300	994.50	1,093.95	1,193.40	1,292.85	1,392.30	1,491.75	1,591.20	1,690.65	1,790.10	1,889.55	1,989.00
	320x320	1,131.52	1,244.67	1,357.82	1,470.98	1,584.13	1,697.28	1,810.43	1,923.58	2,036.74	2,149.89	2,263.04

Data



Die-Cut Thickness Tolerances	Thickness (mm)	Tolerance (mm)
	0.3	±0.03
	0.5	±0.05
	0.8	±0.08
	1.0	±0.1
	1.2	±0.12
	1.5	±0.15
	2.0	±0.2
	2.5 - 3.5	±0.25
	4.0 - 4.5	±0.3
	5.0	±0.35
	6.0 - 8.0	±0.4
	9.0	±0.45
10.0	±0.5	
>10.0	±0.5	

* Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

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