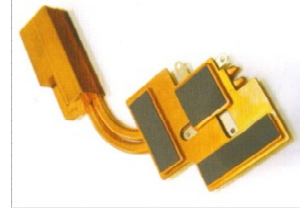


THERMALLY CONDUCTIVE FILLER PAD

5.00W/m.K, 65 SHORE 00, 300x300x0.8~15.0Tmm

W8TR500G

With an extremely high thermal conductivity 5.0 (W/m-K), the highly soft 65 Shore 00, W8TR500G thermal conductive silicone pad is suitable for working environments where the temperature varies greatly. It is able to overcome virtually any adverse environment in addition to conducting heat away from electronic components.



PRODUCT APPLICATION

- Electronic parts: IC, CPU, MOS.
- LED, M/B, PS, HEAT SINK, LCD-TV, NB.
- DDRII Module. DVD Application and so on.

Item	Unit	W8TR500G	Test Method
Thermal Conductivity	W/m.k	5.0	ASTM D5470
Hardness	Shore 00	65	ASTM D2240
Thickness	mm	0.3 ~ 15.0	ASTM D374
Density	g/cm ³	2.4	ASTM D792
Weight Loss	%	<1	120° / 24hrs
Tensile Strength	Psi	50	ASTM D412
Elongation	%	250	ASTM D412
Insulation Strength	kV / mm	1	ASTM D149
Flammability	-	V-0	UL-94
Max Temperature Range	°C	-40 ~ 200	-
Sheet Size	mm	300x300	-
Colour	-	Grey	Visual

Thermal Resistance

Resistance	0.5mm	1.0mm	1.5mm	2.0mm	3.0mm	5.0mm
°C/W	0.170	0.358	0.503	0.565	0.777	1.157
°C*cm ² /W	1.636	3.436	4.834	5.430	7.469	11.119
°C*in ² /W	0.254	0.533	0.749	0.842	1.158	1.723

Specimen : 31mm-square (@40 psi)

Compression (10% ~ 50%) , psi

	0.5mm	1.0mm	1.5mm	2.0mm	3.0mm	5.0mm
10%	5.08	7.16	15.99	16.64	13.90	9.21
20%	32.71	35.85	57.11	55.43	53.43	29.82
30%	56.10	58.37	88.06	80.04	97.17	63.48
40%	64.18	74.88	183.36	164.02	200.17	132.91
50%	72.53	132.86	288.59	268.14	344.18	260.43

Specimen : 25mm-square Test Condition : 5mm/minute

Part number system:

W6TR500G-XX

XX = Thickness
 05 - 0.5mm
 10 - 1.0mm
 20 - 2.0mm
 Etc.

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