

Thermal Pads

IMTH Series

NEW

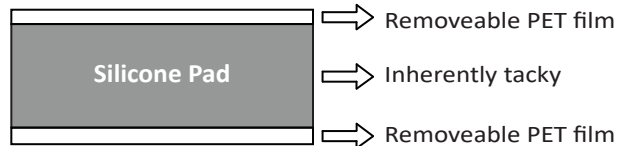
HF
Halogen Free



Silicone-based thermal pads



■ Cross-section view



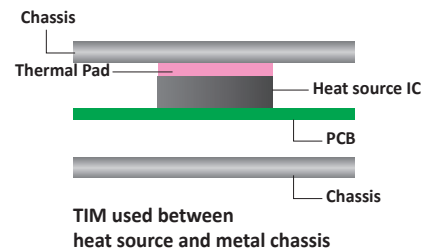
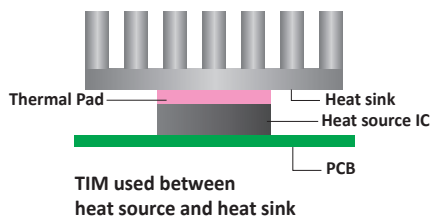
■ Specifications

*TEST METHOD	STANDARD		HIGH PERFORMANCE	
Property	IMTH15	IMTH30*	IMTH50*	IMTH70
Binder	Silicone	Silicone	Silicone	Silicone
Filler	Alumina	Alumina	Alumina	Alumina
Thickness (mm)	0.3 ~ 25	0.3 ~ 10	0.5 ~ 10	0.5 ~ 10
Standard Sheet Size (mm)	200 x 300	200 x 300	200 x 300	200 x 300
Silicone pad Color	Gray	Gray	Gray	Gray
Hardness (Shore 00) *ASTM D2240	55 ± 10**	60 ± 10	65 ± 10	65 ± 10
Specific Gravity *ASTM D792	2.5	2.9	3.0	3.2
Continuous Usage Temp (°C)	-40 ~ 200	-40 ~ 200	-40 ~ 200	-40 ~ 200
Dielectric Breakdown (KVac/mm) *ASTM D149	10	6	6	6
Volume Resistivity (Ω/cm) *ASTM D257	10 ¹³	10 ¹²	10 ¹²	10 ¹²
Thermal Conductivity (W/m•K) *ASTM E1530	1.5	3.0	5.0	7.0
Flame Resistance *UL94	UL94V0 Equivalent	UL94V0 Equivalent	UL94V0 Equivalent	UL94V0 Equivalent

*Soft version available for IMTH30 and IMTH50 (Shore 40 ± 10)

**With fiberglass available hardness 60 ± 10 (Shore 00)

■ Sample Application



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Volume resistivity stated on our EMI absorber flyer is meant for noise control parameters, where the absorber is considered a conductor, but not for insulation performance. Care should be taken when using absorbers. KITAGAWA INDUSTRIES America, Inc. makes no guarantees as to electrical resistivity values and accepts no liability due to short circuits where EMI absorbers are used directly on a PC Board or areas near high voltage such as for power. The products are designed for EMI noise reduction for electronics. This is not recommended for applications involving human life or extremely high accuracy. Prior to using the products in production, please verify their performance or adhesive strength of PSA for long term use. Avoid applying any external stress such as bending or high amounts of tension. Note when the absorber products are cut, bent, or pulled, there may be a possibility of creating cracks. For storage, keep products in a cool, dry, well-ventilated area at room temperature and avoid high temperatures, humidity, and direct sunlight.

Please contact the sales department at KITAGAWA INDUSTRIES America, Inc. for the use of our products prior to selecting the parts for your application.