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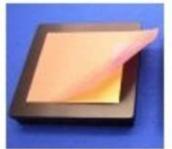
Thermal Tapes / FCT73 Series

As each new generation of electronics equipment exhibits higher performance and more and more power into ever smaller packages, it will dissipate power in the form of heat and requires some degree of thermal management.

Thermosol markets a variety of Thermal Management Materials in response to the changing needs of the assembly of electronics packaging in notebook computers, high performance CPU, chipsets, mobile electronic appliances, power conversion and amplification modules etc. Our products include thermally conductive Pads / Insulators and gap fillers, thermally conductive adhesive tapes, phase change interface materials, graphite foil.

The FCT73 series of thermal conductive adhesive tape has varying thicknesses (from 0.05mm to 0.5mm) and can be used to seal gaps among PCBs, heat dissipating modules, metallic structures, and machine casings. When the product is applied, heat is conducted away from sensitive components while uneven surfaces are properly flattened and filled. The adhesive is also electrically isolating. The FCT73L series has UL 94 V-0 Flammability rating. Can be supplied cut to customers size. Available in rolls. The adhesive tapes are Silicone and Halogen free, also ROHS and REACH compliant.

RoHS Compliant

Part Number	Adhesive Thickness (mm)	Thermal Conductivity (W/m.K)	Thermal Impedance (°Cin2/W)	Adhesive Type	Flammability Rating	Carrier Type	TACK	180° Peel Adhesion (Kgf)
FCT73L-15	0.15+/-10%	1.0	0.58	Acrylic Polymer	UL 94V-0	Fiberglass	17	>15.72
FCT73L-25	0.25+/-10%	1.0	0.85	Acrylic Polymer	UL 94V-0	Fiberglass	20	>17.66
FCT73S-30	0.30+/-10%	1.0	1.45	Acrylic Polymer	-	Fiberglass	16	>13.68
FCT73S-05	0.05+/-10%	0.85	0.414	Acrylic Polymer	-	N/A	8	>10.78
FCT73S-10	0.10+/-10%	0.85	0.56	Acrylic Polymer	-	N/A	12	>13.72

Part Number	Holding Power (Hr) 1kg/inch/25°C	Insulation Strength (KV)	Temperature Range °C	Standard Sheet Size (mm)	Standard Roll Size (M)	Colour
FCT73L-15	>48	>1.5	-20~+120	300x300	1.24(W)x25/50/100(L), 1.05(W)x25	White
FCT73L-25	>48	>3	-20~+120	300x300	1.24(W)x25/50/100(L), 1.05(W)x25	White
FCT73S-30	>48	>7	-20~+120	300x300	1.24(W)x25/50/100(L), 1.05(W)x25	White
FCT73S-05	>48	>1	-20~+120	300x300	1.24(W)x25/50/100(L), 1.05(W)x25	White
FCT73S-10	>48	>2	-20~+120	300x300	1.24(W)x25/50/100(L), 1.05(W)x25	White