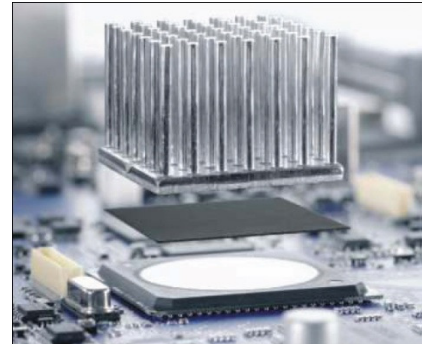


THERMAL TAPE

MCT-90-KL

The MCT-90-KL is a thermal conducting, electrical isolating double sided adhesive tape. It's has an excellent, permanent adhesive strength with high thermal conductivities and at the same time very good insulation characteristics. Low thermal contact resistances can be achieved with a very reliable adhesive strength on different surfaces.

There are no mechanical fixation with clips, screws or rivets needed. Due to the soft surface finish tolerances can be compensated very good. Light weight, easy handling and high elasticity are further advantages.



Application:

- CPU's, LED's.
- Flip Chips, DSP's, BGA's & PPGA's.
- MOSFETS on heat sinks.

Properties	Unit	Data
Colour		Black
Basis		Acrylate
Reinforcement (fibre glass)		With or Without
Thermal Resistance	K/W	0.52
Thermal Impedance	$^{\circ}\text{Cmm}^2/\text{W}$ Kin^2/W	208 0.32
Thermal Conductivity	W/mK	1.4
Dielectric Breakdown	KV/mm	10.0
Volume Resistivity	Ωm	2.6×10^4
Dielectric Loss Factor Tan	1	30.5×10^{-2}
Dielectric Constant	1	18.5
Hardness	Shore A	45
Tensile Strength	MPa	0.25
Temperature Range	$^{\circ}\text{C}$	-40 ~ +125

AMEC Thermasol

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