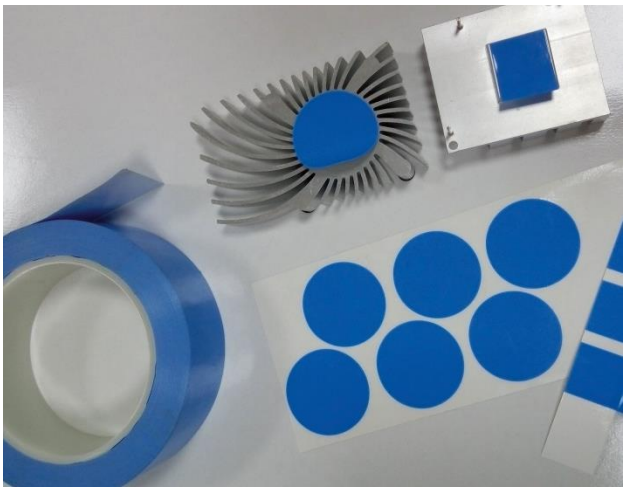
ADHESIVE TAPE
TCAT-SERIES 1,2 W/m*K

Thermally conductive adhesive tapes are used for bonding heatsinks or other cooling devices to the hot device.

The adhesive tapes are supplied as double sided adhesive film and are filled with ceramic particles.

Thermally conductive tapes eliminate the need for external clamps and curing.

- Thermal conductivity: 1,2 W/m*K
- Available in 400x300 mm standard sheet size, other dimensions and die-cut parts on request
- Available in thicknesses from 0,1 to 2,0 mm
- Double-sided, pressure sensitive adhesive
- Thermal conductivity in combination with electrical isolation
- High temperature stability



RoHS ✔ REACH ✔

PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
THERMAL		
Thermal conductivity	1,2 W/m*K	ASTM D5470
ELECTRICAL		
Breakdown voltage	>8000 V/mm	ASTM D149
PHYSICAL		
Thermal composition	Silicone	-
PSA Composition	Acrylic	-
Gravity	2,5 g/cm³	ASTM D792
Hardness	45 Shore A	-
Color	White	-
Working temperature	-40 – 130 °C	-
Shelf life°	12 months	-
Thickness range	0,1-2,0mm	-
Tensile strength	3 Mpa	ASTM D412

BUILDING AN ITEM NUMBER

TCAT-1,2 S45 X-LxWxT-XXX

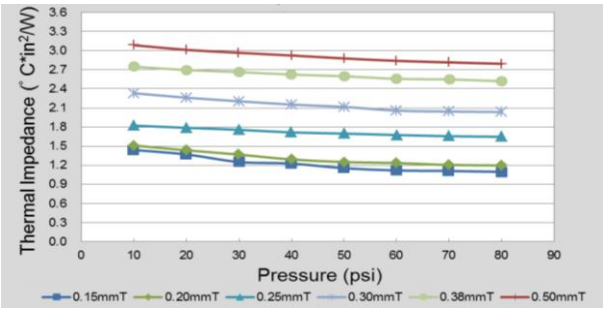
Thermally Conductive Adhesive Tape	
Thermal conductivity	
Shore A hardness	
F	Fiberglass reinforced
X	Not reinforced
xxx	Lenght (in mm)
Rxx	On roll (in m)
xxx	Width (in mm)
xxx	Thickness (in mm)
DST	Die-cut parts
KCT	Kiss-cut parts

Standard options

EXAMPLE

TCAT-1,2 S45 F-27x25x0,3-DST
Thermally conductive adhesive tape; thermal conductivity: 1,2 W/m*K; hardness: 45 Shore A; fiberglass reinforced; size: 27x25 mm; thickness: 0,3 mm; die-cut

CONFIGURATIONS AVAILABLE

- Standard sheet size: 400x300 mm
- Customer-specific sheet sizes
- Die-cut parts
- KCT parts

THERMAL IMPEDANCE OF TCAT-1,2S45