

Non-Silicone Thermal Tape / XK-TN08

Introduction

XK-TN are thermal conducting, electrical insulating and double sided adhesive films. With excellent permanent adhesive nature and properties of high thermal conductivity and good insulation.

Features

Easy assembly

High thermally conductive performance

Acrylic adhesive

For application which requires electrical isolation



Applications

Mount heat sink to processor

Mount heat spreader to PCB

LED

	unit	XK-TN08			Method
Reinforcement Carrier		Fiberglass	Fiberglass	Fiberglass	
Color		White	White	White	visual
Thickness	mm	0.1	0.15	0.25	ASTM D374
Specific Gravity	g/cm ³	1.7	1.8	1.8	ASTM D792
Bonding strength	N/in	>10	>13	>13	ASTM 3330
Thermal impedance	°Cin ² /W	0.69	0.94	1.28	ASTM D5470
Thermal Conductivity	W/mK	0.8	0.8	0.8	HOT DISK
Volume Resistivity	Ωcm	>10 ¹³	>10 ¹³	>10 ¹³	ASTM D257
Breakdown Voltage	KV	2	3	4	ASTM D149
Dielectric Constant	1	5	5	5	ASTM D150
Application temperature	°C	-20~130	-20~130	-20~130	
Tensile strength	psi	>300	>1000	>1000	ASTM D149
Elongation	%	40	30	30	ASTM D149
Siloxane Volatiles D4~D20	%	0	0	0	GC-FID