



**THE DATASHEET OF
KDA-064**





Li98 Series Thermal Tape

REACH Compliant RoHS Compliant

Features

- Good adhesion
- Great reliability
- Cost effective with great performance
- Easy to assemble
- Customization services

Application:

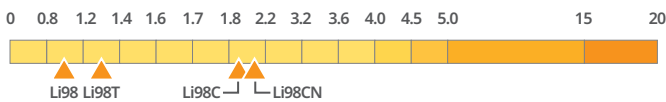
Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Storage:

T-Global guarantees a 6-month shelf life at maximum continuous storage. Storage temperature should be under 25°C to maintain controlled adhesion to the liner.

Properties

Thermal Conductivity : 1(Li98) / 1.3(Li98T) / 1.9(Li98C) / 2.1(Li98CN) W/m•K



Properties	Unit	Li98		Li98T	Li98C		Li98CN	Tolerance	Test Method	
Thermal Conductivity	W/m•K	1	1	1.3	1.9	1.9	2.1	±10%	ASTM D5470 Modified	
Thickness	mm	0.15	0.25	0.11	0.15	0.25	0.18	-	ASTM D374	
Color		White							-	-
Reinforcement Carrier	-	Fiberglass Mesh		PET	Fiberglass Mesh		-	-	-	
Operating Temperature	° C	-30~+120		-60~+120	-30~+120			-	-	
Short Time Use Temperature (30sec)	° C	200								
Density	g/cm ³	1.85		1.6	1.8	1.8	1.8	±5%	ASTM D792	
Tensile Strength	psi	200	400	400	200	400	-	-	ASTM D412	
Glass Transition Temperature	° C	-30	-30	-	-27	-27	-30	-	-	
Initial Tack	cm	10	8	10	14	12	15	-	PSTC-6	
Lap Shear Strength	N/cm ²	61		60	55	50	55	-	ASTM D1002	
Die Shear Strength@25° C	N/cm ²	120		105	109	100	100	-	-	
Die Shear Strength@80° C	N/cm ²	69		60	68	68	55	-	-	
Holding Power 1000g@25° C using 1 in ²	min	>10000								
Holding Power 1000g@80° C using 1 in ²	min	>10000								
Peeling Strength 90° (Aluminum)	N/in	>10	>12	>12	>6	>8	>8	-	ASTM D3330	
Dielectric Breakdown Voltage (AC)	KV	≥2	≥3.1	≥4.1	≥2	≥3.1	≥5.1	-	ASTM D149	
Dielectric Breakdown Voltage (DC)	KV	≥3.1	≥4.1	≥5.1	≥3.1	≥4.1	≥6.1	-	ASTM D149	
Thermal Impedance@10psi	° C*in ² /W	0.93	1.26	0.63	0.64	0.89	0.73	-	ASTM D5470 Modified	
Thermal Impedance@30psi	° C*in ² /W	0.76	1.05	0.60	0.60	0.85	0.68	-	ASTM D5470 Modified	
Thermal Impedance@50psi	° C*in ² /W	0.61	1.06	0.59	0.53	0.87	0.66	-	ASTM D5470 Modified	

※Die-cut for different shapes

※Roll type available

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