



## TG-ALC Series High Performance Thermal Pad

REACH Compliant

RoHS Compliant

UL Comparable

### Features

- Great thermal conductivity
- Low thermal impedance
- Good compressibility

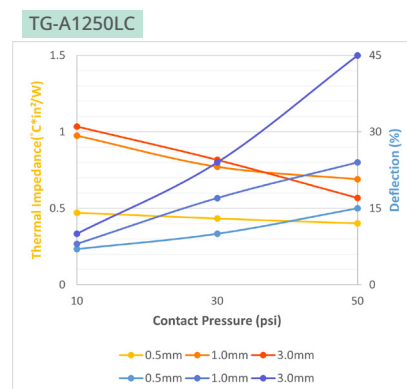
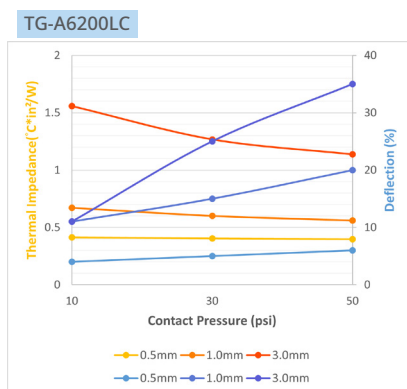
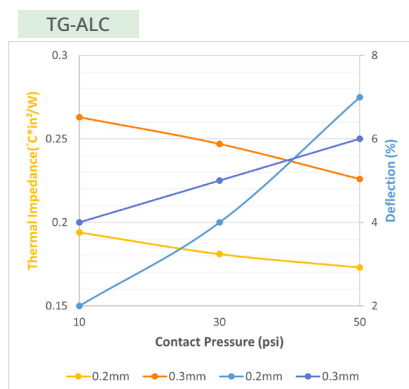
### Application:

**Best for high power applications**

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.

### Properties

### Contact Pressure, Thermal Impedance, and Deflection



Properties	Unit	TG-ALC	TG-A6200LC	TG-A1250LC	Tolerance	Test Method
Thermal Conductivity	W/m•K	4.2	5	10	±10%	ASTM D5470 Modified
Thickness	mm	0.2/0.3	0.5~2.5	1.0~2.5	-	ASTM D374
	inch	0.0079/0.0118	0.0197~0.0984	0.0394~0.0984	-	ASTM D374
Color	-	Green	Pad-Blue LC-Green	Pad-Green LC-Green	-	Colorimeter CIE 1976
Flame Rating	-	V-0			-	UL 94
Dielectric Breakdown Voltage	KV/mm	≥4	≥6		-	ASTM D149
Weight Loss	%	<1			-	ASTM E595 Modified
Density	g/cm³	2.9	3	3.3	-	ASTM D792
Operating Temperature	° C	-50~+180			-	-
Volume Resistivity	Ohm-m	1×10 <sup>12</sup>	1×10 <sup>10</sup>		-	ASTM D257
Elongation	%	10	50	40	-	ASTM D412
Standard Format	-	Sheet			-	-
Hardness	Shore	A 60	OO 50	OO 60	±10	ASTM D2240

※ For thicknesses less than 1.0mm, hardness will be adjusted to 50-75 Shore OO to facilitate effective removal of liner during production

※ Different tolerances according to the selected thickness

※ Die-cut for different shapes

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Version20  
20250211



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