

TG-AK Series High Performance Thermal Pad

REACH Compliant

RoHS Compliant

UL Compliant

Features

- Great thermal conductivity
- Difficult to be deformed
- Easy to assemble
- Double sided inherent tack

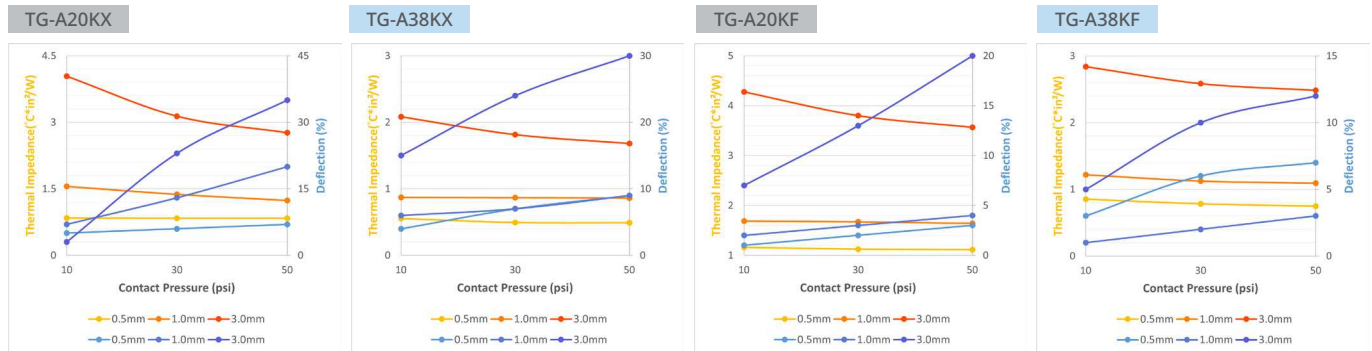
Application:

Best for low and medium 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-A20KX	TG-A38KX	TG-A20KF	TG-A38KF	Tolerance	Test Method
Thermal Conductivity	W/m•K	2	3.8	1.8	3.3	±10%	ASTM D5470 Modified
Thickness	mm	0.3~10.0		0.5~10.0		-	ASTM D374
	inch	0.012~0.394		0.0197~0.394		-	ASTM D374
Color	-	Dark Gray	Blue	Dark Gray	Blue	-	Colorimeter CIE 1976
Reinforcement Carrier	-	-		Fiberglass Mesh		-	-
Flame Rating	-	V-0				-	UL 94
Dielectric Breakdown Voltage	KV/mm	≥12	≥10	≥13	≥10	-	ASTM D149
Weight Loss	%	<1				-	ASTM E595 Modified
Density	g/cm³	2	3.1	2.1	3.1	±5%	ASTM D792
Operating Temperature	° C	-40~+180	-40~+200	-40~+180	-40~+200	-	-
Volume Resistivity	Ohm-m	3×10 ¹²				-	ASTM D257
Elongation	%	160	110	160 (Silicone Side)	110 (Silicone Side)	-	ASTM D412
Standard Format	-	Sheet				-	-
Hardness	Shore OO	55	60	55 (Silicone Side)	60 (Silicone Side)	±8	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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