GT300

Ultra-high Thermal conductivity Graphene Enhanced Thermal Interface Material

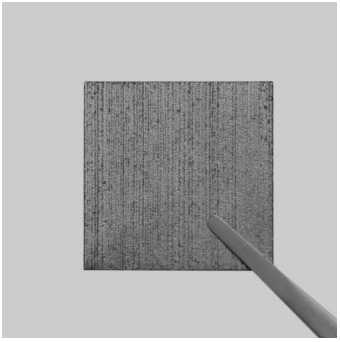
Trademark: GT-TIM®

Features:

- Ultra-high Thermal Conductivity
- Extremely Low Effective Thermal Resistance
- High Compressibility and Very Light

Applications:

Cooling of dataservers, thermal AI chiplets modules, IC thermal testing, automotive electronics GPU, CPU, RF, Opto and other power modules



Description:

GT300 is a graphene-enhanced thermal interface material. It has very low effective thermal resistance (2kmm^2/W at 275 kPa at 0,3 mm in thickness). Moreover, the GT300 has advantages of having ultra-high thermal conductivity, low density, low complexity during assembly and good maintainability. GT300 opens new opportunities for addressing large heat dissipation issues in electronics and other high power driven systems.

Physical Properties	Value	Units	Test Method
Bulk Thermal Conductivity	300 ± 30(275KPa,300μm)	W/mK	ASTM5470
Effective Thermal Resistance	2 ± 1 (275 kPa, 300μm)	Kmm^2/W	ASTM5470
Thickness	0.5	mm	Micrometer
Thickness Tolerance	<10	%	-
Pad Size	Up to 70*70	mm^2	-
Recovery	>70	%	-
Tensile strength	>40	kPa	ASTM D412
Surface Roughness (Ra)	2±1	μm	Wyko NT1100 optical profilometer
Application Temperature	-40 to 200	°C	-
Flammability	V-0		UL94
Color	Grey	-	Visual

Email: info@smarthightech.com

www.smarthightech.com