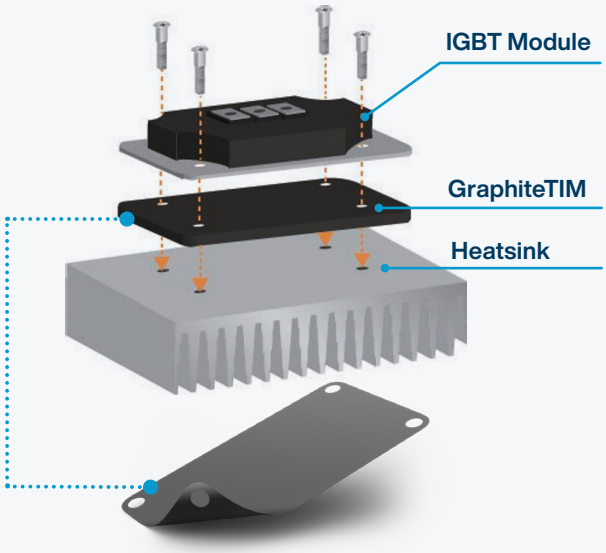
Panasonic
INDUSTRY

GraphiteTIM – Graphite Thermal Interface Material

Thermal Interface Material (TIM) for High Power Application with IGBT

Key Features

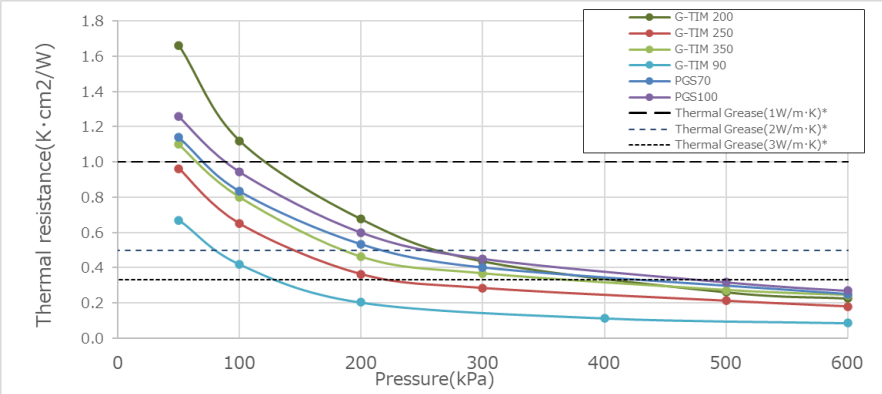
- High compressible graphite sheet (soft)
- Low thermal resistance
- No aging (99.9% carbon)
- Easy to install
- Lower total cost ownership
- Maintenance free
- Standard and customized size available



Lineups

Operating temperature range		-55℃ to 400℃			
Thickness		90μm	200μm	250μm	350μm
Standard Part No.	90×90 mm	EYGR0909ZSX2	EYGS0909ZLX2	EYGR0909ZLX2	EYGR0909ZRX2
	90×180 mm	EYGR0918ZSX2	EYGS0918ZLX2	EYGR0918ZLX2	EYGR0918ZRX2
	180×180 mm	N/A	EYGS1818ZLX2	EYGR1818ZLX2	EYGR1818ZRX2

GTIM Low Thermal Resistance Features



*1 Theoretical values calculated at a thickness of 100μm.
*2 The measured values are representative and not guaranteed.
*3 PGS70 and PGS100 do not have a standard for thermal resistance.
*4 G-TIM 90 is currently under development.

IGBT Reference Design Portfolio

Module Name	Manufacturer
LV100	Mitsubishi
SEMITRANS10	Semikron Danfoss
EconoDUAL/ EconoPACK	Infineon
SKiM93	Semikron Danfoss
MiniSKiiP	Semikron Danfoss
PrimePACK	Infineon

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