

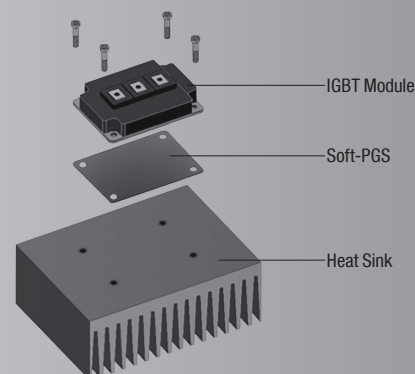
SOFT PYROLYTIC GRAPHITE SHEET (SOFT-PGS)

Panasonic

THERMAL INTERFACE MATERIAL

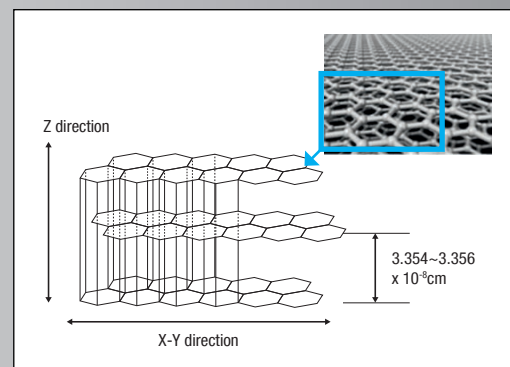
PRODUCT INFORMATION

- > Soft-PGS is designed as TIM (Thermal Interface Material) for IGBT modules
- > Excellent TIM material compared to thermal grease and Phase Change Material (PCM) due to high **workability** and **practicability** (easy installation and low maintenance), **reliability** (no physical deformation) and **thermo stability**
- > Increases the lifetime and reliability of the IGBT module
- > High compressibility property helps to reduce contact thermal resistance due to better fitting to uneven surface compared with regular PGS



CHARACTERISTICS

Item	Condition	Data
Compressibility	600kPa	40%
Thermal Conductivity	X-Y	400W/m·K
	Z	28W/m·K
Thermal Resistance	600kPa	0.2K·cm ² /W
Operating Temperature		-55 to +400°C
Certificate		UL-94 V-0
Thickness		200μm



APPLICATION

Custom cut Soft-PGS is available for IGBT modules of Fuji Electric, Hitachi, Infineon, Mitsubishi Electric and Semikron* (for other IGBT manufacturer upon request)

- > Soft-PGS line-up and IGBT manufacturer cross list
industrial.panasonic.com/www/soft-pgs-cross

*Trade marks/trade names are not held by Panasonic but are proprietary to the respective third party company

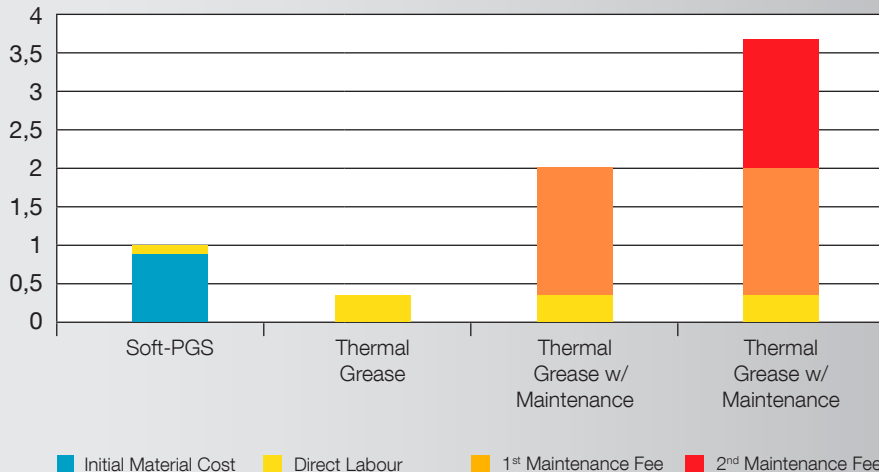


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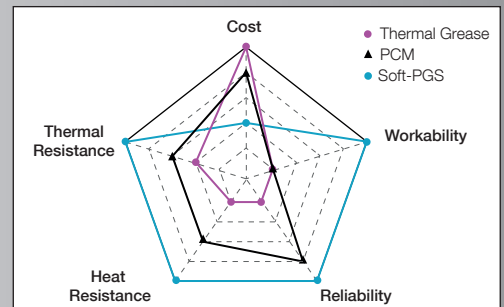
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THERMAL INTERFACE MATERIAL

FEATURES



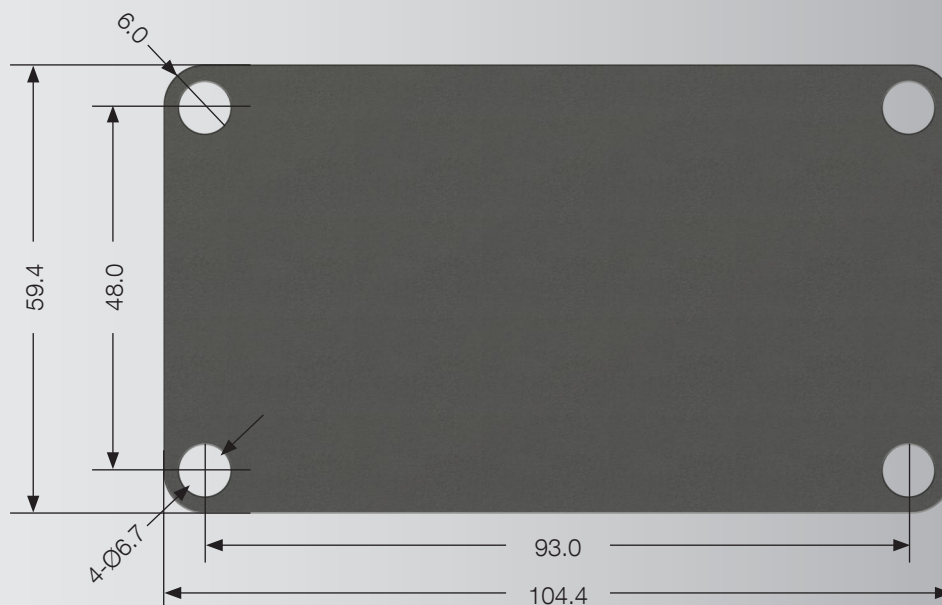
* Maintenance fee includes additional material cost and additional labour cost for rework.
Labour cost are estimated on European level. Soft-PGS cost for a size of 60x120mm.
IGBT cost not included.



PRODUCT EXAMPLE

Soft-PGS (P/N: EYGS0610ZLAH) for Infineon 62mm IGBT Module Series

Dimension (mm)



Design and specifications are subject to change without notice. Ask the factory for technical specifications before purchase and/or use. If there is any doubt regarding the safety of this product, kindly inform us immediately for technical consultation.