

PANASONIC Thermal Graphite Sheets

Panasonic


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EYG SERIES GRAPHITE SHEETS

PGS (Pyrolytic Graphite Sheet) is a thermal interface material which is very thin, synthetically made, has high thermal conductivity, and is made from a highly oriented graphite polymer film. PGS (Pyrolytic Highly Oriented Graphite Sheet) is made of graphite with a structure that is close to a single crystal, which is achieved by the heat decomposition of polymeric film.

It is ideal for providing thermal management/heat-sinking in limited spaces or to provide supplemental heat-sinking in addition to conventional means. This material is flexible and can be cut into customizable shapes.

Flexibility:

PGS is bending-resistant due to its flexibility. PGS can be used for areas such as curved surfaces and corners because its heat conductivity will remain unchanged in the absence of folds in PGS.

Thermal Resistance Property:

Thermal resistance represents the degree of non-conductivity of the heat. Materials with lower thermal resistance are a more efficient conductor of heat (Thermal resistance depends on hardness of, and surface condition of material as well as heat conductivity.)

Features:

- Excellent thermal conductivity
- Flexible and easy to be cut or trimmed
- Low thermal resistance

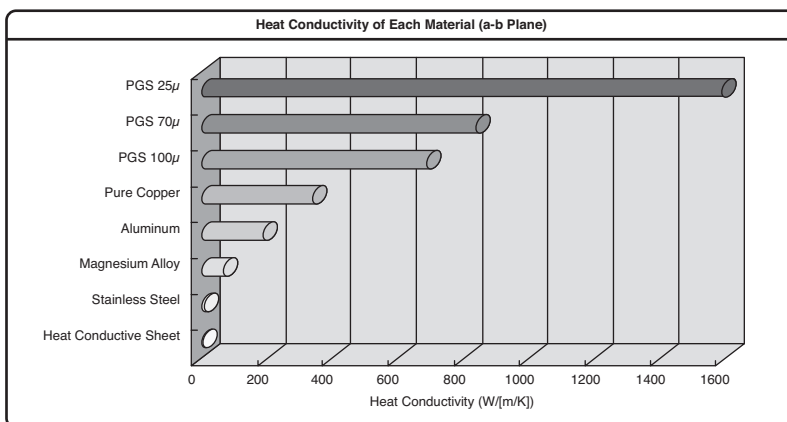
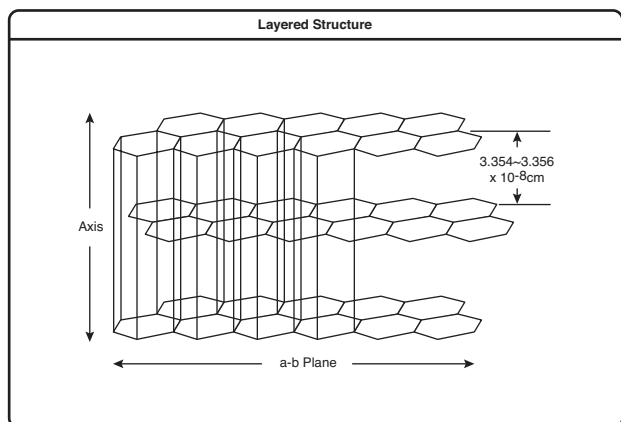
Specifications:

- Lightweight: Specific gravity: 0.85 to 2.1g/cm³
- Heat resistance: 400°C
- Bending (angle 180, R5): 10,000 cycles

Recommended Applications:

- Cellular phone, DVC, DSC, PC and peripherals, pickup
- Semiconductor manufacturing equipment
- Optical communications equipment

Bending Limitation		
Bending Angle	Bending Radius (R)	
	R = 2 (mm)	R = 5 (mm)
90°	10,000 cycles or more	100,000 cycles or more
180°	3,000 cycles or more	30,000 cycles or more
Style *		
S	PGS Only	
A	Taping	
C	Coating	
M	Other Materials Laminated	


PRODUCT NEW

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Style *	Type	Inductance (μm)	Size (mm)	Thickness (mm)	Price Each	
							1	5
667-EYG-A091203V	EYG-A091203V	A	A-V	25	90x115	0.025	27.12	25.43
667-EYG-A091207M	EYG-A091207M	A	A-M	70	90x115	0.07	23.56	22.09
667-EYG-A091207P	EYG-A091207P	A	A-PA	70	90x115	0.07	23.56	22.09
667-EYG-A091207V	EYG-A091207V	A	A-V	70	90x115	0.07	27.12	25.43
667-EYG-A091210B	EYG-A091210B	A	A-B	100	90x115	0.1	32.66	30.62
667-EYG-A091210P	EYG-A091210P	A	A-PA	100	90x115	0.1	32.66	30.62
667-EYG-A091210T	EYG-A091210T	A	A-T	100	90x115	0.1	26.18	24.54
667-EYG-A121803M	EYG-A121803M	A	A-MM	25	115x180	0.025	45.00	42.02
667-EYG-A121803S	EYG-A121803S	A	A-SM	25	115x180	0.025	49.80	46.69
667-EYG-A121807A	EYG-A121807A	A	A-A	100	115x180	0.07	50.75	47.57
667-EYG-A121810A	EYG-A121810A	A	A-A	100	115x180	0.1	50.66	47.50
667-EYG-A121810B	EYG-A121810B	A	A-B	100	115x180	0.1	65.33	61.25
667-EYG-A121810K	EYG-A121810K	A	A-K	100	115x180	0.1	52.41	49.14
667-EYG-A121810M	EYG-A121810M	A	A-MM	100	115x180	0.1	50.66	47.50
667-EYG-A121810T	EYG-A121810T	A	A-T	100	115x180	0.1	52.36	49.09
667-EYG-A121810V	EYG-A121810V	A	A-V	100	115x180	0.1	54.26	50.86
667-EYG-M060910SS	EYG-M060910SS	M	M-SS	100	90x115	0.1	26.93	25.25
667-EYG-M091210SS	EYG-M091210SS	M	M-SS	100	90x115	0.1	53.86	50.50
667-EYG-M121810SS	EYG-M121810SS	M	M-SS	100	115x180	0.1	105.33	98.75
667-EYG-M121810SV	EYG-M121810SV	M	M-SW	100	115x180	0.1	93.98	88.11
667-EYG-S091203	EYG-S091203	S	S	25	90x115	0.025	28.66	26.87
667-EYG-S091207	EYG-S091207	S	S	70	90x115	0.07	28.60	26.87
667-EYG-S091210	EYG-S091210	S	S	100	90x115	0.1	29.26	27.43
667-EYG-S121803	EYG-S121803	S	S	25	115x180	0.025	57.19	53.75
667-EYG-S121807	EYG-S121807	S	S	70	115x180	0.07	57.33	53.75
667-EYG-S121810	EYG-S121810	S	S	100	115x180	0.1	58.60	54.93
667-EYG-S182310	EYG-S182310	S	S	100	180x230	0.1	93.86	88.00
667-EYG-S091203DP	EYG-S091203DP	S	S	25	90x115	0.025	27.65	25.38
667-EYG-S091207DP	EYG-S091207 DP	S	S	70	90x115	0.07	27.65	25.38
667-EYG-S091210DP	EYG-S091210DP	S	S	100	90x115	0.1	22.59	20.85
667-EYG-S121803DP	EYG-S121803 DP	S	S	25	115x180	0.025	55.30	51.15
667-EYG-S121807DP	EYG-S121807DP	S	S	70	115x180	0.07	55.30	51.15
667-EYG-S121810DP	EYG-S121810DP	S	S	100	115x180	0.1	45.19	40.15
667-EYG-S182307DP	EYG-S182307DP	S	S	70	180x230	0.07	90.49	82.65
667-EYG-S182310DP	EYG-S182310DP	S	S	100	180x230	0.1	90.38	82.58