TIM Graphite

JONES 6-50-0200 Series

FEATURES & BENEFITS

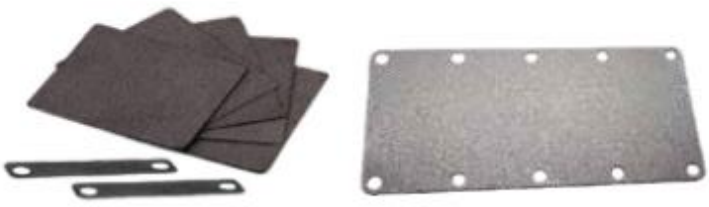
Anisotropic and over all high thermalconductivity | High thermally stability | Light weight | Flexible and conformable | RoHS compliant

APPLICATIONS

Base Stations | Consumer electronics | Optical communication equipments

ORDERING INFORMATION

Standard size
310mm X 210mm



JONES synthetic graphite film is an extremely light and flexible material synthesized from polymer precursor by a high temperature heat treatment process. Derived from the crystal structure of graphite, the synthetic graphite features an anisotropic and overall high thermal conductance. It possesses unique functions such as eliminating hot spots, shielding components and reducing skin temperature of electronic devices. It is an ideal heat spreader for thermal management in limited space. It can also function as a thermal interface material for applications requiring low contact resistance and high thermal conductivity.

6-50-0200 series of JONES synthetic graphite series is designed for use as thermal interface material. Comparing to traditional thermal conductive grease, phase change materials and thermal conductive pad, the synthetic graphite films have a much higher thermal conductivity thru-thickness, stable quality, no ageing problem and a much lower density. The films are supplied in sheets, rolls or die-cut form and can be laminated with plastics, foams and adhesives.

6-50-0200 TYPICAL PROPERTIES

	Properties	Typical Properties	Test Method
Thermal	Thermal Resistance (in2℃/W) @100psi	0.032±0.02	ASTM D5470
	Continuous Working Temperature (°C)	-55~400	/
Physical	Color	Dark Grey	Visua
	Thickness (mm)	0.200±0.025	ASTM D374
	Density (g/cm^3)	0.4±0.1	ASTM D2638 Modified
Electrical	Electrical Conductivity (S/m)	6×10^4	ASTM C611