

JunPus International Co., Ltd.

***JGS Graphite Sheet for
LED lighting & Thin LCD***



Product Introduction

GRAPHITE SHEET

		Test Methods	JGS	JGS
厚度 Thickness (μ m)		Micrometer	25	0.5mm
熱傳導率 Thermal conductivity (W/m.k)	XY axis	AC calorimeter	1700	800
	Z axis	Laser flash	5	4
熱擴散率 Thermal diffusivity (cm^2/S)		AC calorimeter	8.76	8.76
密度 Density (g/cm^3)		Archimedes law	2.12	3.2
導電率 Electrical conductivity (S/cm)		JIS K7194	20000	20000
耐熱溫度 $^{\circ}\text{C}$			400	400
彎曲度 Flexibility		MIT	Flexible	Flexible

Product Introduction

JunPus Electronic Component 's JGS Thermal Graphite Sheets are very thin, synthetically-made, highly oriented graphite polymer film that are ideal as a thermal management/heat-sink. The JGS Graphite Sheets are ideal for space-limited areas or to provide supplemental heat-sinking to existing areas. With excellent thermal conductivity (2 to 4 times higher than copper), JunPus 's JGS Thermal Graphite Sheets are flexible (withstands repeated bending), can be cut into customizable shapes,

Features

- Excellent thermal conductivity : 700 to 1950 W/(m · K)
(2 to 5 times as high as copper, 3 to 8 time as high as aluminum)
- Lightweight: Specific gravity : 0.85 to 2.13 g/cm³
(1/4 to 1/10 of copper, 1/1.3 to 1/3 of aluminum in density)
- Flexible and easy to be cut or trimmed.
(withstands repeated bending)
- Low thermal resistance
- RoHS compliant

Recommended applications

- Smart phones, Mobile phones, DSC, DVC, Tablet PCs, PCs and peripherals, LED Devices
- Semiconductor manufacturing equipment
(Sputtering, Dry etching, Steppers)
- Optical communications equipment