

TG-CJ-12-12-10-PF Ceramic Heat Spreader



Features

- Large contact area
- Low weight
- High breakdown voltage
- Excellent heat spreader
- Custom shapes possible

Applications

LED/ NotebookPC/ M/B/ PowerTransistor/ PowerModule/CPU/ ChipIC

Main Component			Al ₂ O ₃
Physical Property	Density	g/cm ³	3.66
	Water Absorption	%	0.002
	Sinter Temperature	°C	1700
	Acid resistance	mg/cm ³	≤ 0.2
	Alkali	mg/cm ³	≤ 0.2
Mechanical Property	Mohs Hardness	HV	9
	Bend Strength	Mpa	≥ 610
	Compression Intensity	Mpa	≥ 620
Thermal Property	Maximum working temperature	°C	1400
	Refractoriness	°C	≥ 1500
	thermal expansion coefficient	(1 × 10 ⁻⁶)mm/°C	7.8 ~ 8.3
	Thermal Shock resistance	T(°C)	200
	Thermal Conductivity	W/m.k	40 ~ 51
Electrical Property	Resisting rate of Volume	Ω. °C	1016
	DC breakdown strength	KV/mm	15.2 ~ 16.7
	Insulation Breakdown Intensity	KV/mm	18
	Dielectric Constant (1MHz)	(E)	10
	Dielectric Dissipation	(tg o)	0.4 * 10 ⁻³