



TG-CJ-60-60-15-PF

Ceramic Heatsink

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T-Global's range of ceramic heatsinks have been designed from a proprietary blend of engineering ceramics to offer superior thermal management for the most demanding of applications. Compared to aluminium, ceramics confer additional benefits such as electrically isolating, resistant to corrosion, low weight and does not act like an antenna. The addition of a pre-applied thermal tape further reduces the manufacturing complexity when compared to aluminium heatsinks.

Features

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

Applications

LÉD, M/B, P/S, LCD, TV, Notebook, PC, PC Telecom Device, Wireless Hub, Power transistor, Power module, CPU, Chip IC

Properties

REACH Compliant

ROHS Compliant

Main Component			Technical Ceramic	
Property Type	Property	Unit		
Physical Property	Density	g/cm³	3.66	
	Water Absorption	%	0.002	
	Sinter Temperature	°C	1700	
	Acid Resistance	mg/cm³	≦0.2	
	Alkali	mg/cm³	≦0.2	
Mechanical Property	Mohs Hardness	HV	9	
	Bend Strength	Mpa	≧ 610	
	Compression Intensity	Mpa	≧ 620	
Thermal Property	Maximum Working Temperature	°C	1400	
	Thermal Expansion Coefficient	(1x10⁴) mm/℃	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	ım 15.2~16.7	
	Insulation Breakdown Intensity	KV/mm	18	
	Dielectric Constant (1MHz)	(E)	10	
	Dielectric Dissipation	(tg o)	0.4*10 ⁻³	
Shelf Life			Indefinite	

Part Number Information

Product	Length	Width	Depth	Adhesive
TG-CJ-60-60-15-PF	60	60	15	-
* All measurements in mm			·	

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