



TG-CJ-20-20-6-PF

## Ceramic Heatsink

Version 1.220917

#### Ceramic Heatsink

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 aluminum heatsinks.

#### **Features**

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

### **Applications**

LED, 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	Property	Unit		
	Density	g/cm³	3.66	
	Water Absorption	%	0.002	
Physical Property	Sinter Temperature	°C	1700	
	Acid Resistance	mg/cm³	≦0.2	
	Alkali	mg/cm³ ≦0.2		
	Mohs Hardness	HV	9	
Mechanical Property	Bend Strength	Мра	≧ 610	
	Compression Intensity	Мра	≧ 620	
	Maximum Working Temperature	°C	1400	
Thermal Property	Thermal Expansion Coefficient	(1x10 <sup>-</sup> 6) mm/°C	7.8~8.3	
	Thermal Shock Resistance	T (°C)	200	
	Thermal Conductivity	W/m.k.	40~51	
	Resisting Rate of Volume	Ω°C	1016	
	DC Breakdown Strength	KV/mm	15.2~16.7	
Electrical Property	Insulation Breakdown Intensity	KV/mm	18	
	Dielectric Constant (1MHz)	(E)	10	
	Dielectric Dissipation	(tg o)	0.4*10 <sup>-3</sup>	

# Part Number Information TG-CJ-20-20-6-PF

Product	Length	Width	Depth	Adhesive
TG-CJ-20-20-6-PF	20	20	6	-

\* All measurements in mm

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