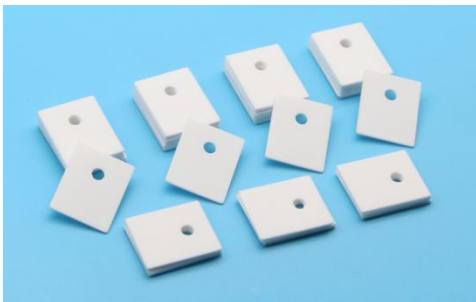


Aluminum Oxide Ceramic Plate CTLT240

The thermal conductivity of CTLT240 aluminum oxide is as high as 24W / M.K. it is resistant to high temperature and high pressure. The surface of the ceramic sheet is smooth without burr and burr. It is heated evenly and dissipates heat quickly; Simple and compact structure, small size, high strength, not easy to break, acid and alkali corrosion resistance, durable.



Product Features

- Superior chemical and mechanical stability.
- High hardness, high wear resistance.
- High thermal conductivity, high electrical insulation.
- Effective anti-interference (EMI), anti-static.

Typical Applications

- IC / MOSFET / triode.
- Surface heat source for diode and IGBT.
- High density switching power supply.
- High frequency communication equipment.
- High frequency welding machine and other equipment.

Electrically Insulating, Thermally Conductive Ceramic Material

TYPICAL PROPERTIES OF ALUMINUM OXIDE CTLT240

Test Item	Unit	CTLT240	Test Method
Colour	-	White	Visually
Specific Gravity	g/cm ³	3.7	GB/T 2413
Thermal Conductivity	W/mk	24	ISO 22007-2
Dielectric Constant	1MHz	9~10	GB/T 5594.4
Breakdown Voltage	KV/mm	≥17	GB/T 5593
Flexural Strength	MPa	≥400	GB/T5593
Warpage	%	≤2	-
Surface Roughness	μm	0.2-0.75	GB/T 6062
Water Absorption	%	0	GB/T 3299
Volume Resistivity	Ω·cm	≥10 ¹⁴	GB/T 5594.5
Thermal Expansivity	10 ⁻⁶ °C ⁻¹ (20-300°C)	6.5-7.5	GB/T5594.3
	10 ⁻⁶ °C ⁻¹ (300-800°C)	6.5-8.0	

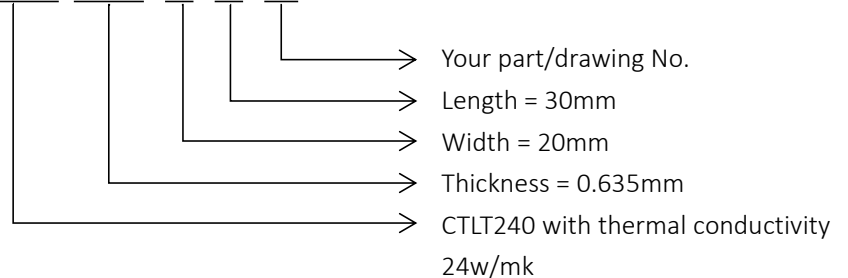
Configurations Available:

- Thickness: 0.3MM, 0.38MM, 0.5MM, 0.635MM, 0.76MM, 0.8MM, 1.0MM, 1.2MM, 1.5MM, 2.0MM.
- Laser process into any shape you need.

Build a Part Number

Standard Options

CTLT240 - T0635 - 20 - 30 - NA



Note: The material can be customized. If you can't find the material that meets your requirements in our existing materials, you can consult the sales manager whether the material you need supports customization, and we will give you a reply within 24H.

www.coolthermo.com

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