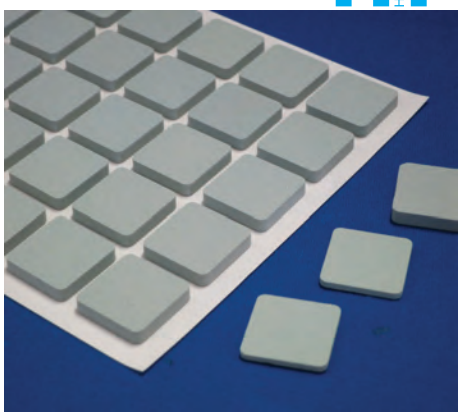
Ceramic Heat Sink
CECD Series

NEW

HF Halogen Free

RoHS Compliant



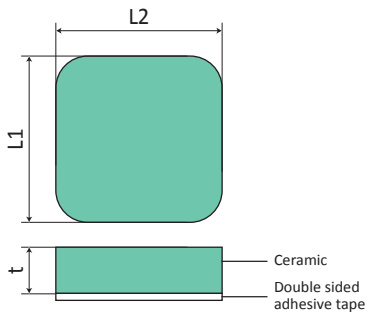
Porous Ceramic Heat Sink with excellent insulation

- Compared to traditional aluminum, the combination of the larger surface area provided by the porous structure and higher levels of thermal radiation amounts to superior heat dissipation.
- About 30% lighter than aluminum heat sinks
- There is no electromagnetic radiation from the heat sink unlike conventional metallic ones

Specification

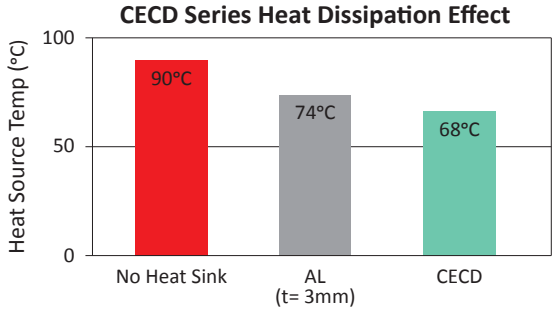
Part Number	Thickness	L1	L2
CECD-1.5-020020T (mm)	1.5	20	20
CECD-3.0-020020 (mm)	3.0	20	20
CECD-3.0-040040T (mm)	3.0	40	40

Property	CECD
Specific Gravity	1.95
Color	Green
Thermal Conductivity (W/m•K)	11.5
Volume Resistivity (Ω•cm)	≥10^8
Operating Temperature (°C)	-40 ~ 125



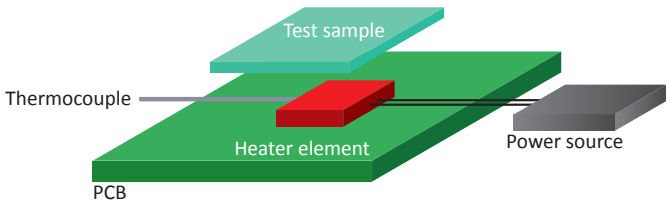
Effectiveness

CECD Series Heat Dissipation Effect



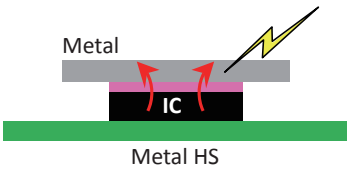
< Test Conditions >
Heat Source: □ 10mm (1.6W)
Heat Sink Size: □ 20mm (t= 3mm)

Testing method

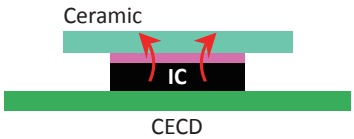


EMI issue with metalized heat sink

Metal heat sink becomes an antenna and recieves electronic noise.
Due to electrostatic coupling noise current shifts from IC and creates radiation noise



Due to superb insulation Ceramic heat sink has no effect by electrostatic coupling or EMC noise



KGS America
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Please request for detailed product specification data prior to purchase

Volume resistivity stated on our EMI absorber flyer is meant for noise control parameters, where the absorber is considered a conductor, but not for insulation performance. Care should be taken when using absorbers. KITAGAWA INDUSTRIES America, Inc. makes no guarantees as to electrical resistivity values and accepts no liability due to short circuits where EMI absorbers are used directly on a PC Board or areas near high voltage such as for power. The products are designed for EMI noise reduction for electronics. This is not recommended for applications involving human life or extremely high accuracy. Prior to using the products in production, please verify their performance or adhesive strength of PSA for long term use. Avoid applying any external stress such as bending or high amounts of tension. Note when the absorber products are cut, bent, or pulled, there may be a possibility of creating cracks. For storage, keep products in a cool, dry, well-ventilated area at room temperature and avoid high temperatures, humidity, and direct sunlight.

Please contact the sales department at KITAGAWA INDUSTRIES America, Inc. for the use of our products prior to selecting the parts for your application.