KERASORB® 2500 & 1500
EMI Absorbing Gap Pad

NEW
DATA SHEET

Application

- Base Station
- 5G Data Infrastructure
- Consumer electronics
- Autonomous vehicle
- Radar sensors

Benefits

- High thermal conductivity
- High EMI suppression
  @ frequencies up to 77 GHz
- Electromagnetic properties independent
  from layer thickness
- High electrical isolation
- Elastic

Properties	Unit	2500	1500
Colour		mint	orange
Thermal Properties*			
Thermal conductivity λ	W/mK	2.5	1.5
Electrical Properties**			
Dielectric breakdown voltage $U_{d;AC}$***	kV	5.0	5.0
EMI Attenuation**	dB	≥40	≥40
Mechanical Properties			
Hardness	Shore 00	35 - 50	30 - 45

* Measured @ thickness 1 mm ** Measured @ 45 & 77 GHz *** Measured uncompressed

The new series KERABSORB is a HYBRID material of THERMAL & EMI ABSORBER. This means, besides the classic properties of a TIM (thermal interface material) that is used between the heat source (electronic device) & heat sink, this new material also suppresses unwanted energy coupling, resonances or surface currents which cause board level EMI issues.

The Kerabsorb 2500 is characterized by its high thermal conductivity and high level of EMI suppression at very high frequencies up to 77 GHz.

At maximum pressure, Gap Pads (SOFTTHERM® Films) should not be compressed beyond 30% of the original thickness. In case the material should be compressed more than 30%, the SOFTTHERM® material may leak out.

Note

Disclaimer of Warranties and Limitation of Liability

The specifications provided in this data sheet do not constitute a guarantee or warranty of specific product properties („quality guarantee“). These specifications are derived from our standardized testing procedures conducted under controlled laboratory conditions and are intended to describe the typical properties of the products as expected under standard applications. Variations may occur depending on the specific application. Accordingly, it is the responsibility of the customer to test and evaluate the products for their intended use, and adjustments to the application may be required.

The customer assumes full responsibility for the safety and functionality of their applications in which these products are integrated. Appropriate safety measures must be implemented to prevent bodily injury, fire, or other damages resulting from product defects. The customer is also responsible for ensuring that the design of their application complies with all applicable laws, regulations, codes, and standards.
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