

# KERABSORB® 2500 & 1500

## EMI Absorbing Gap Pad

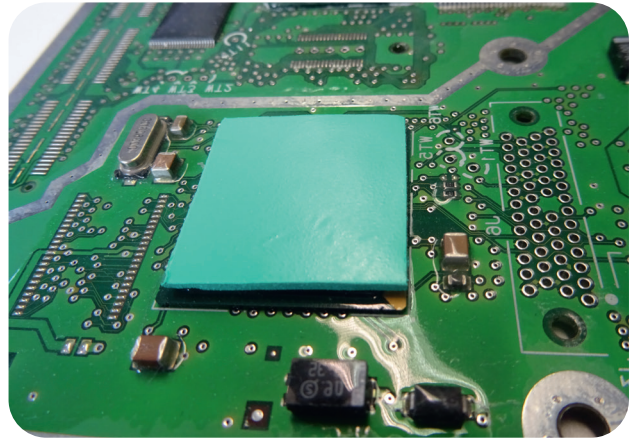
NEW  
DATA SHEET

### 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    |
| <b>Thermal Properties*</b>                   |          |           |           |
| Thermal conductivity $\lambda$               | W/mK     | 2.5       | 1.5       |
| <b>Electrical Properties**</b>               |          |           |           |
| Dielectric breakdown voltage $U_{d, AC}$ *** | kV       | 5.0       | 5.0       |
| EMI Attenuation**                            | dB       | $\geq 40$ | $\geq 40$ |
| <b>Mechanical Properties</b>                 |          |           |           |
| 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.