



THERMALLY CONDUCTIVE ELECTRICALLY INSULATIVE MATERIAL

TgardTM 100 is a high thermal performance insulator pad consisting of silicone/boron nitrate composite. It is specially designed to maximize high thermal and electrical isolation performance for wide variety of applications.

The unique formulation offers an excellent smooth and compliant surface which minimizes interfacial thermal resistance at low mounting forces. TgardTM 100 is ideal for applications that require low component mounting forces include discrete semiconductors mounted with clips.

FEATURES

- High thermal conductivity of 3.5W/mK
- Thermal resistance of 0.279°C-in²/watt @ 50ps
- High dielectric breakdown voltage of 6,000 volts

BENEFITS

- Combines smooth and highly compliant surface with high thermal conductivity
- Unique formulation minimizes thermal resistance at low mounting forces

VALUE

- Unifying cost effectiveness with high thermal and dielectric performance
- Ideal for high performance, high reliability applications

AVAILABILITY

- Samples available in standard sheet size of 18.5" x 18.5" for A0 & 9" x 18" for A1
- Support site for sample and production part in SZ, CLE, LIB and TJ sites respectively

STRATEGY

Who: Switch Mode Power Supplies, Motor controllers, Power conversion equipment

What: High thermal and dielectric performance with low thermal resistance at low mounting forces

How: Focus on applications requiring excellent performance in thermal and dielectric

TEAM

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THR-DS-Tgard 100 1215

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