

THERMAL PAD - DT08

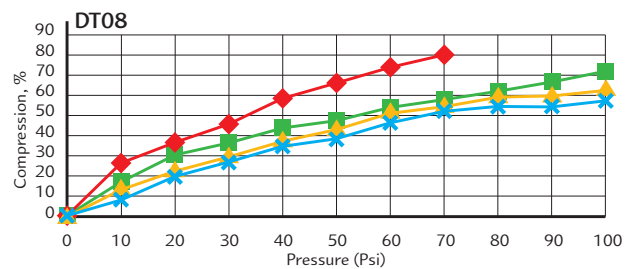
Features

- Thermal conductivity: 0.8 W/mK
- DT08 is available with two different hardnesses: Shore 18 C (DT08/H18) and Shore 35 C (DT08/H35)
- High conformability
- Cost effective solution
- Electrically insulating
- Naturally sticky
- High dielectric breakdown of up to 4.0 kV/mm
- Custom die-cut parts: custom configurations available



Applications

- Between electronic components: semiconductors, ICs, CPUs, MOS and heatsink
- LEDs, LCD TV, telecom devices, wireless hubs, PCs, power supply etc.
- Cooling and thermal modules
- In all applications where a metal housing is used as heatsink.



◆ 0.5 mm ■ 1.0 mm ▲ 1.5 mm ★ 2.0 mm



Part number code (example):

UDT 10/H10 - T 10

↳ Thickness: 1.0 mm
 ↳ Hardness: 10 Shore C
 ↳ Thermal Conductivity: 1.0 W/mK
 ↳ UDT: Thermal Pad

TECNITE DT08

| Properties | Unit | DT08 | Test Method |
|-----------------------------|-----------------------|--|---------------|
| Composition | | Silicone & ceramic filled | |
| Colour | | Grey | |
| Thickness range | mm | 0.5 -12.0 | |
| Hardness | Shore C | 18 (DT08/H18) & 35 (DT08-H35) | ASTM D2240 |
| Density | g/ml | 2 | ASTM D792 |
| Elongation | % | 1.35 | ASTM D412 |
| Temperature range | °C | -40 to 150 | EN344 |
| Breakdown voltage | kV/mm | ≥4.0 | ASTM D149 |
| Volume impedance | ohm*cm | 1.7*10 ¹⁶ | ASTM D257 |
| Dielectric constant | @ 1 MHz | 4.51 | ASTM D150 |
| Weight dampify | % | ≥1 | @ 150 °C 240H |
| Thermal conductivity | W/mK | 0.8 | ASTM E1461 |
| Thermal Resistance @ 40 psi | °C-in ² /W | DT08/H18: 0.968 @ 0.5 mm DT08/H35: 1.483 @ 0.5 mm DT08/H18: 1.713 @ 1.0 mm DT08/H45: 2.324 @ 1.0 mm | |
| Compliances | | UL 94 V-0, RoHS, REACH | |
| Sheet sizes | | Standard: 200*400 mm, 330*330 mm | |
| Custom configurations | | Custom die-cut parts available. Available with acrylic PSA tape for improved application on on or both sides: • 3M Double Coated Tape 9448HK (will make the pad 0.15 mm thicker on both sides) • 3M Transfer Tape 3M467 (will make the pad 0.06 mm thicker on both sides) | |

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