Technical Data Sheet

BERGQUIST SIL PAD TSP Q3000

Known as BERGQUIST Q-PAD I
November 2018

PRODUCT DESCRIPTION

Thermally Conductive Pad; The Grease Replacement Material for Maximum Heat Transfer.

Technology	Silicone
Appearance	White
Total Thickness , ASTM D374	0.15 ± 0.25 mm
Application	Thermal management, Thermally conductive adhesive
Operating Temperature Range	180ºC

TYPICAL APPLICATIONS

- Between a transistor and a heat sink
- Between two large surfaces such as an L-bracket and the chassis of an assembly
- Between a heat sink and a chassis
- Under electrically isolated power modules or devices such as resistors, transformers and solid state relays

BERGQUIST SIL PAD TSP Q3000 is constructed of .001" aluminum foil coated both sides with .0025" thick thermally conductive Sil-Pad rubber. It is designed for those applications where maximum heat transfer is needed and electrical insulation is not required.

BERGQUIST SIL PAD TSP Q3000 is the ideal thermal interface material to replace messy thermal grease compounds . BERGQUIST SIL PAD TSP Q3000 eliminates problems associated with grease such as contamination of reflow solder or cleaning operations.

BERGQUIST SIL PAD TSP Q3000 can be used prior to these operations unlike grease. BERGQUIST SIL PAD TSP Q3000 also eliminates dust collection which can cause possible surface shorting or heat buildup.

TYPICAL PROPERTIES

Electrical Properties

Thermal Properties

Thermal Conductivity , ASTM D5470, W/(m-K)	3
Thermal Resistance Bergquist Flat Plate Test, ºC-in²/W	0.1

GENERAL INFORMATION

For safe handling information on this product, consult the Safety Data Sheet, (SDS).

Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

CONFIGURATIONS AVAILABLE

BERGQUIST SIL PAD TSP Q3000 are supplied in:

- Special Shapes
  We produce thousands of specials. Tooling charges vary depending on tolerances and complexity of the part.

- Tolerances
  .015 inches are held on width, length, hole diameter and hole location.
  Contact the factory if tighter tolerances are required.

Can be produced in any shape including standard configurations, rolls, sheets or custom designed and die-cut for a particular application.

Conversions

(°C x 1.8) + 32 = °F
kV/mm x 25.4 = V/mil
mm / 25.4 = inches
N x 0.225 = lb
N/mm x 5.71 = lb/in
psi x 145 = N/mm²
MPa = N/mm²
N·m x 8.851 = lb·in
N·m x 0.738 = lb·ft
N·mm x 0.142 = oz·in
mPa·s = cP

Disclaimer

Note:

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