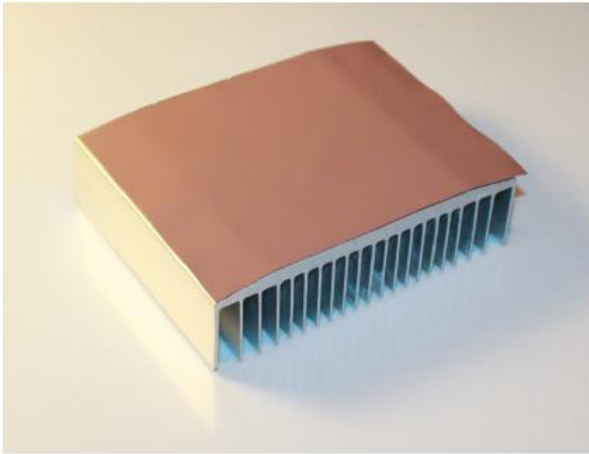


Datasheet

Interface for HS15

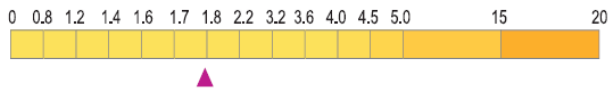
RS Stock number 758-0938



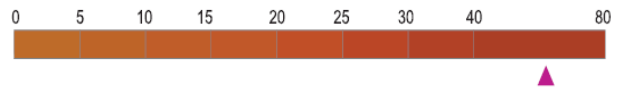
Specifications:

| Property | H48-2K | Unit | Test Method |
|----------------------|---|-----------------------|-------------|
| Thickness (+/- 10%) | 0.1/0.2/0.3 | mm | - |
| Color | Dark Red | - | Visual |
| Construction | Silicone based with ceramic fillers (non-silicone oil) | - | - |
| Opt.Temp. Range | -45 to 200 | °C | - |
| Density | 2.1 | g/cm ³ | ASTM D792 |
| Thermal Conductivity | 1.8 | W/m.k | ASTM D5470 |
| Hardness Shore A | 60 | - | ASTM D2240 |
| Thermal impedance | | | ASTM D5470 |
| 10psi | 0.21/0.37/0.57 | K- in ² /W | - |
| 50psi | 0.20/0.33/0.51 | K- in ² /W | - |
| 100psi | 0.17/0.31/0.46 | K- in ² /W | - |
| Percent deflection | | | ASTM D575 |
| 10psi | 2 | % | - |
| 50psi | 5 | % | - |
| 100psi | 11 | % | - |
| Breakdown voltage | 1.2 / 2.5 / 3.5 | kV | ASTM D149 |
| TML | < 0.5% | % | ASTM E595 |
| Tensile strength | 200 | Psi | ASTM D412 |
| Elongation | 50 | % | ASTM D412 |
| UL flammability | V-0 | - | UL 94 |

Thermal Conductivity: 1.8 W/m.k
(W / m.k - Z Axis)



Hardness: 60 (Shore A)
(Shore A)



In the thermal resistance vs pressure vs deflection charts H48-2K provides low thermal impedance.
As the pressure increases the thermal impedance decreases. H48-2K provides good compliance and softness.

Features

- No carrier
- Low contact thermal impedance
- Non-oil Bleed
- High dielectric breakdown voltage

Applications

- Electronic components: IC/CPU/MOS
- LED/ M/B / P/S / Heat Sink/LCD-TV/Notebook
PC/PC/Telecom Device
- Wireless Hub etc...
- DDR II Module/DVD Application/Hand-Set Applications etc...