

Technical Data Sheet

Product Description

EVSC800-PI-2-K4 is made of ultra-thin PI film and coated with thermally conductive silicone on one side. The overall total thickness is 0.16 mm and acts as a heat transfer as it breaks down voltage.



Benefits

- High thermal conductivity, low resistance
- Electrical insulation
- High pressure resistance
- High tensile strength

Applications

- ✓ Power adapter
- ✓ Automobile electronics
- ✓ Communication equipment
- ✓ Motor controllers
- ✓ High pressure interface
- ✓ Semiconductor optoelectronic products



EVSC800-PI-2-K4 Thermal Film

Color	Pink	Visual
Composition	PI film, thermal silicone	* * *
Thickness (mm)	0.16±0.02	ASTM D751
Density (g/cc)	2.2	ASTM D297
Hardness (Shore A)	90±5	ASTM D2240
Tensile strength (MPa)	35	ASTM D412
Operating Temperature°F/ °C	-50 to 200°C	* * *
Electrical		
Breakdown Voltage(AC KV/mm)	>6000	ASTM D149
Dielectric constant (1000 Hz)	5.0	ASTM D150
Volume resistivity	5.0 X 10 ¹²	ASTM D257
(ohm-meter)		
Flame Rating	V-0	UL 94
Thermal conductivity		
Thermal Conductivity(W/m-K)	0.9	ASTM D5470
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
REACH	PASS	EN14372

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Note: The information provided herein is accurate at time of publication. It is the responsibility of the end-user to confirm compliance to their application. All test data is typical. Therefore, these recommendations and data are for reference only and not as a product warranty.