

Technical Data Sheet

Product Description

EverTherm thermally conductive insulating pads are made of an ultra-thin Polyimide film coated with a thermally conductive silicone on both sides. The overall total thickness is 0.1 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-K10 Thermal Insulating Pad

Color	Yellow	Visual
Composition	PI film, thermal silicone	* * *
Thickness (mm)	0.16±0.02	ASTM D751
Density (g/cc)	2.3	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)	3.7	ASTM D150
Volume resistivity	10 ¹²	ASTM D257
(ohm-meter)		
Flame Rating	V-0	UL 94
Thermal conductivity		
Thermal Conductivity (W/m-K)	1.3	ASTM D5470
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
REACH	PASS	EN14372
Standard Sheet Size (Note: Other sheet sizes may be available upon request.)		305mm x 305mm

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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.