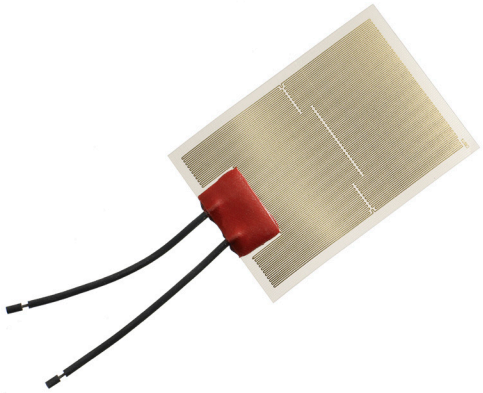
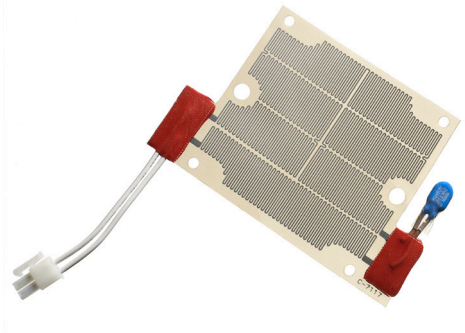
POLYESTER HEATERS

Description

The etched heating element has superior heat transfer and exceptionally uniform heat output, which results in a faster warm-up cycle and longer life. Use this heater to cover large areas with even heat, for flat or gently curved surfaces. Etched foil polyester heaters can be designed and fabricated in many types of configurations to fit the size and shape required in your application.



Product photo



Technical specification

Max element temp.	130 °C (266°F)
Min. element temp.	-60°C (-76°F)
Dielectric strength at 20°C AS per ASTM KV/mm	175
Thermal conductivity at 100 °C W/(m•K)	0.16
Moisture absorption as per ASTM D-570-63. (24h immersion at 23°C)	0.8%
Waterproof as per IEC 335-1 sect. 15-16	yes
Constant of dielectricity at 25°C, 50Hz	3.3
Bending radius, min	1 mm
Max. element width	610 mm
Power density	0,6 W/cm²
Resistance tolerance	As standard, ±5% of nominal. Tolerance down to ±2% avaliable
Rated voltage	Up to 1000 V AC/DC single or 3 phase

Benefits & Fields of Application

BENEFITS

- Low wattage
- Distributed wattage
- Edge loss compensation
- Very small sizes of heaters can be precizely manufactured
- Economical mass production
- Accurate reproduction of complex circuits

FIELDS OF APPLICATION

- Bathroom mirror heater
- De-icing equipment
- Rear view mirror
- Hand grip heater

Application photo