

PVC heater

Description

PVC heaters are commonly used for applications in environments with high humidity or wet conditions. It has features as protection class IP 67 and skin contact approved silicone, medical grade. The heater is also very flexible and can in advantage be used where flexibility is needed.

Technical specification

Max element temp.	70°C (158°F)
Min. element temp.	-40°C (-40°F)
Dielectric strength at 20°C as per ASTM KV/mm	15
Thermal conductivity at 100 °C/m °K	0.17/70°C
Moisture absorption as per ASTM D-570-63. (24h immersion at 23°C)	0.2
Waterproof as per IEC 335-1 sect. 15-16	yes
Constant of dielectricity at 25°C, 50Hz	5-9
Bending radius, min	20 mm
Max. element width	800 mm
Power density	0.1 W/cm ²
Resistance tolerance	As standard, ±5% of nominal. Tolerance down to ±2% available
Rated voltage	Up to 230 V AC/DC single or 3 phase
Approval/Standards	-



Printed elements

Benefits

- Water proof
- Flexible
- Acid resistant
- High mechanical strength

Fields of application

- Waterbed heaters
- Surgery beds (tablets)
- Slim blankets
- Water heaters
- Military applications
- Battery heaters



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