

MICA HEATING ELEMENT

Construction

The MICA heating element consists of an etched or wire wound resistive element laminated between two layers of micanite.

Due to the high watt density and the high temperatures achieved the MICA heating element needs to be mechanically fixed to the application surface to guarantee an ideal temperature transfer.

The heating element can be manufactured to allow for various fixation possibilities (e.g. holes, gaps or slits).

Technical specifications

	MICA heating element
voltage range	up to 600V AC/DC
max. watt density (controlled)	5,0W/cm ²
watt tolerance	±10%
min. dielectric strength	30kV
max. size	480x1150mm
min. size	50x50mm
min. thickness	1,0mm
max. continuous operating temp.	400°C
min. ambient temperature	-50°C
connection options	cables, thermostats, thermal fuses, sensors, safety temperature limiters
sealing (connection point)	silicone
RoHS compliant	yes
protection class	IP X4

Features

- form-specific customisation
- high temperature strength
- high watt density & surface temperature
- flexibility in design & configuration
- short heat-up time

Applications

- food heating appliances
- medical applications
- tool heaters
- printing equipment
- production machinery
- hand & hair dryers



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