

INFRARED ELEMENTS IN CERAMIC QTE-K QUARTER TROUGH ELEMENT WITH THERMOCOUPLE



Properties

The standard range of ceramic infrared elements in stock are used in a wide range of industrial and engineering applications such as thermoforming, packaging, paint curing, printing, drying, gluing, sterilisation, roasting etc. They are also very effectively in infrared outdoor heaters and saunas.

Most plastics and many other materials absorb infrared best in wavelength 2-10 μm , which makes the ceramic heater the most popular radiant emitter on the market.



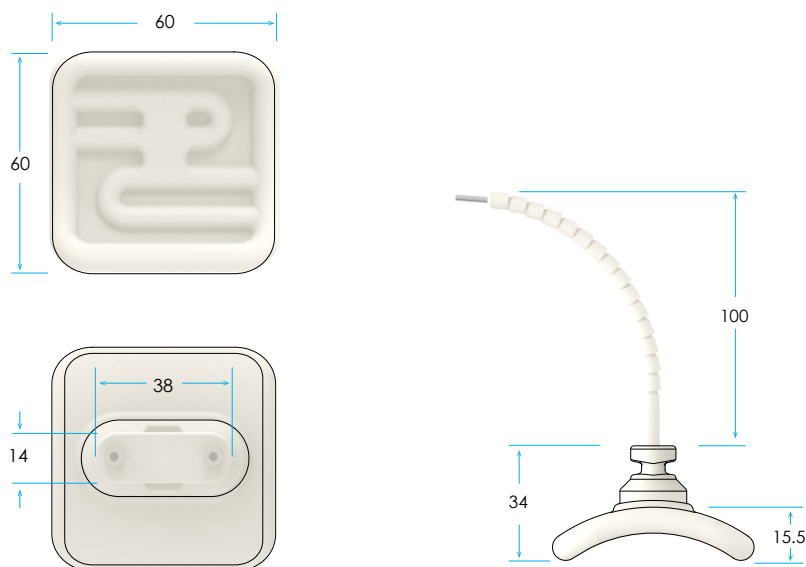
Technical specification

Material	Ceramic solid body in white glaze colour with an embedded high temperature resistance wire and a built-in thermocouple type K
Heater voltage	230 V
Operating temperature	Max permissible 750°C
Useful wavelength range	2 to 10 μm (microns) long wavelength
Dimensions	60x60x34 mm
Average weight	95 g
Electric connection	100 mm ceramic beaded power leads
Assembly	Recommended radiation distance from heater is 100 mm to 200 mm Mounting slot size oval 15x42 mm Steel wave spring and clip set included
Average operating life	Up to 20 000 hrs depending on conditions
Standards	CE

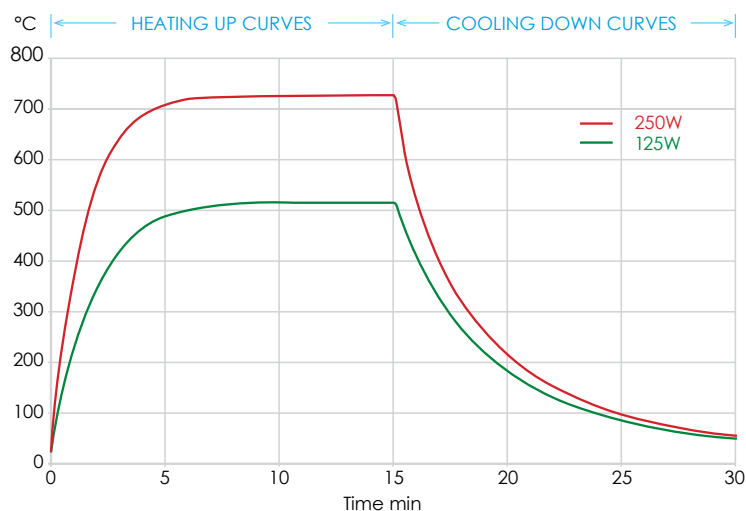
Standard assortment

Model QTE-K	Power W	Mean surface temperature °C	Max power density kW/m ²	Article no
QTE-K 150	150	551	34	3054150151
QTE-K 250	250	726	60	3054150251

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Heat up - Cool down curves



QTE QUARTER TROUGH ELEMENT 2400.17

Based on tests of average surface temperature with an infrared thermometer set at an emissivity of 0.95
 (element mounted in an aluminised steel reflector, RAS) Maximum approved operating temperature 750°C



Options

High temperature NPC cable and ceramic terminal blocks, different options
 Mounting bracket article no 3009010301
 Other voltages, wattages, lead lengths and ceramic glaze colours available on request