QTE - Quarter Trough Element



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 used in infrared outdoor heaters and saunas.

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



Technical specification

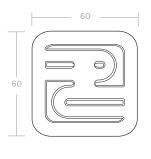
Material	Ceramic solid body in white glaze colour with an embedded resistance heating coil	
Heater Voltage	230 V (standard)	
Operating Temperature	Max permissible 750°C	
Useful wave-length range	2 - 10 μm (microns) long wavelength	
Dimensions	60 x 60 x 34 mm	
Average weight	90 g	
Electric connection	100 mm ceramic beaded power leads	
Assembly	Recommended radiation distance from heater is 100mm to 200mm. Mounting slot size oval 15x42 mm Steel wave spring and clip set included	
Recommended Spacing	5mm minimum spacing between elements	
Average operating life	Up to 20 000 hrs depending on conditions	
Standards	CE	
Packaging w x h x d	126 x 62 x 44 mm	

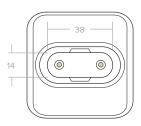


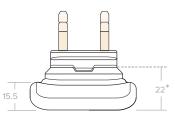


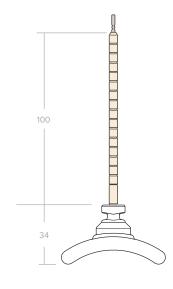
Standard assortment

Model	Power	Mean Surface	Max Power
QTE	W	Temperature °C	Density kW/m²
QTE 150	125	551	34
QTE 250	150	726	60









QTE QUARTER TROUGH ELEMENT

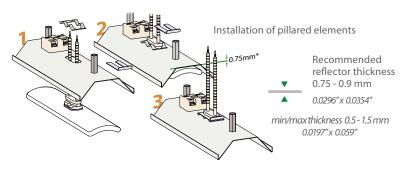
Tolerances apply, all dimensions mm.

* Face of reflector - face of element using 0.75mm reflector, mounting slot size 15 x 42 mm.









Recommended Slot hole size 42 x 15 mm

1.6535"x 0.5905"



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 $Heating up and cooling down curves showing average surface temperature taken with an infrared thermometer set at an emissivity of 0.95 \ (Element mounted in an aluminised steel reflector RAS)\\$