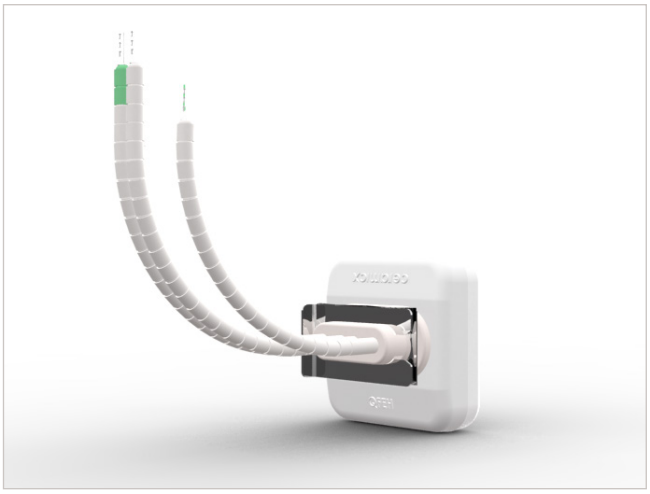
QFEH TcK- Quarter Flat Element Hollow TcK



Ceramic Quarter Flat Infrared Heating Element Hollow with type K Thermocouple

The standard range of ceramic infrared elements are used in a wide range of industrial and engineering applications such as thermoforming, packaging, paint curing, printing, drying, gluing, sterilisation, roasting etc. 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.

Hollow style ceramic elements produce a uniform output better suited to emitters positioned closer to the target material.

Recommended radiation distance from heater is 100 - 200 mm.

Technical specification

Material	Ceramic body, black glaze, embedded resistance heating coil
Heater Voltage	230 V *(standard)*
Operating temperature	Max permissible 800°C *(1472 °F)*
Useful wave-length range	2 - 10 µm *(microns)* - Long wave
Dimensions	60 x 60 x 36 mm
Average weight	103.5 g
Electric connection	120 mm ceramic beaded power leads 150 mm ceramic beaded thermocouple leads
Reflector thickness	Recomended thickness 0.75 - 0.9 mm *min/max thickness 0.5 - 1.5 mm*
Mounting slot size	42 x 15 mm
Element spacing	Minimum spacing between elements 5 mm
Average operating life	Up to 20,000 hrs depending on conditions
Standards	CE
Packaging (*L x W x H*)	126 x 65 x 64 mm

Standard QFEH range

	Mean Surface Temperature °C	Max Power Density kW/m²
125 W	550	30
250 W	755	60

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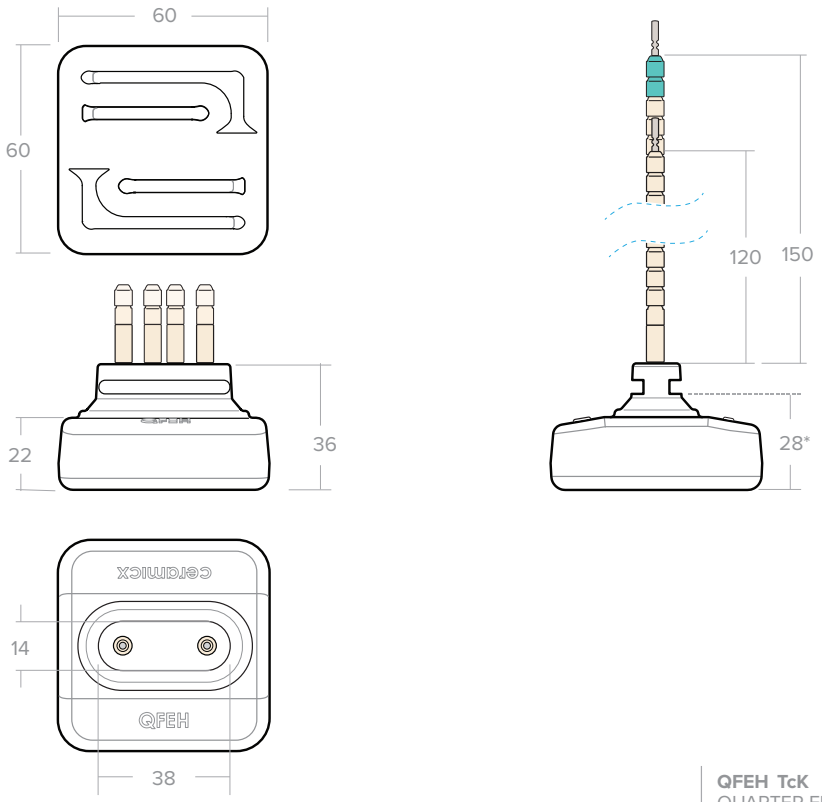

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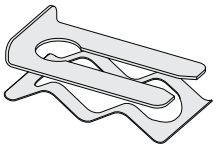
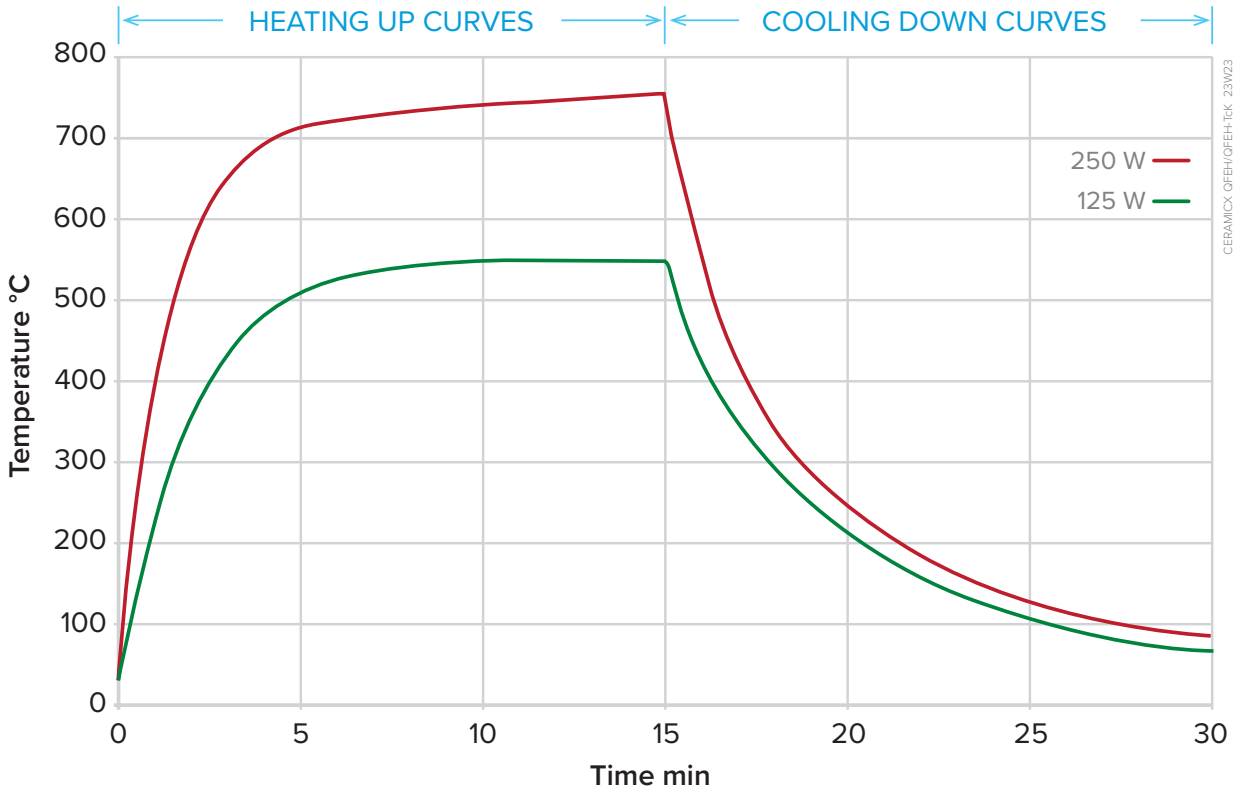
Element supplied with
Wave Spring and Clip



QFEH TcK
QUARTER FLAT ELEMENT HOLLOW
WITH TYPE K THERMOCOUPLE
Tolerances apply, all dimensions mm.
* Face of reflector - face of element using
0.75 mm reflector, mounting hole size 15 x 42 mm

CE

25W42



QFEH - **TcK** Heat up and cool down curves showing average surface temperature measured with a thermal imaging camera set to an emissivity of 0.95 (*element mounted in a polished aluminium clad steel reflector*)