



## Ceramic Half Trough Infrared Heating Element

Our industry-standard half trough heaters deliver long-lasting, energy-efficient performance for industrial, commercial, and domestic applications requiring high surface temperatures. Each solid-cast element features a high-temp alloy in a ceramic body, reaching up to 750°C, 500W output, and 2–10 µm wavelength.

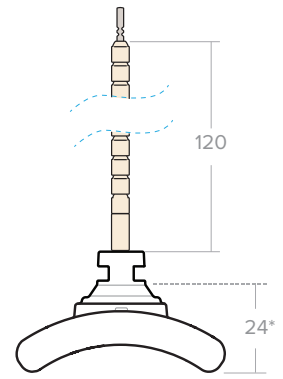
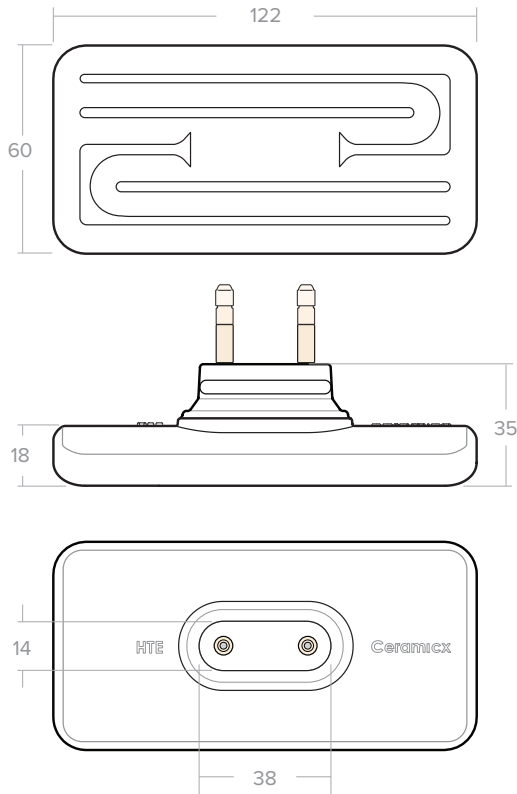
Recommended radiation distance from heater is 100 - 200 mm.

### Technical specification

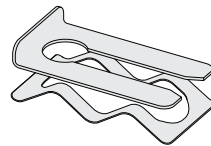
Material	Ceramic body, white glaze, embedded resistance heating coil
Heater Voltage	230 V ( <i>standard</i> )
Operating temperature	Max permissible 750°C ( <i>1382 °F</i> )
Useful wave-length range	2 - 10 µm ( <i>microns</i> ) - Long wave
Dimensions	122 x 60 x 35 mm
Average weight	105 g
Electric connection	120 mm ceramic beaded power leads
Reflector thickness	Recommended thickness 0.75 - 0.9 mm <i>min/max thickness 0.5 - 1.5 mm</i>
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, UL
Packaging ( <i>L x W x H</i> )	126 x 62 x 42 mm

### Standard HTE range

	Mean Surface Temperature °C	Max Power Density kW/m <sup>2</sup>
125 W	351	15.1
200 W	480	24.2
250 W	515	30.2
325W	561	36.3
375 W	596	39.3
400W	636	48.8
500 W	726	60.5



Element supplied with Wave Spring and Clip

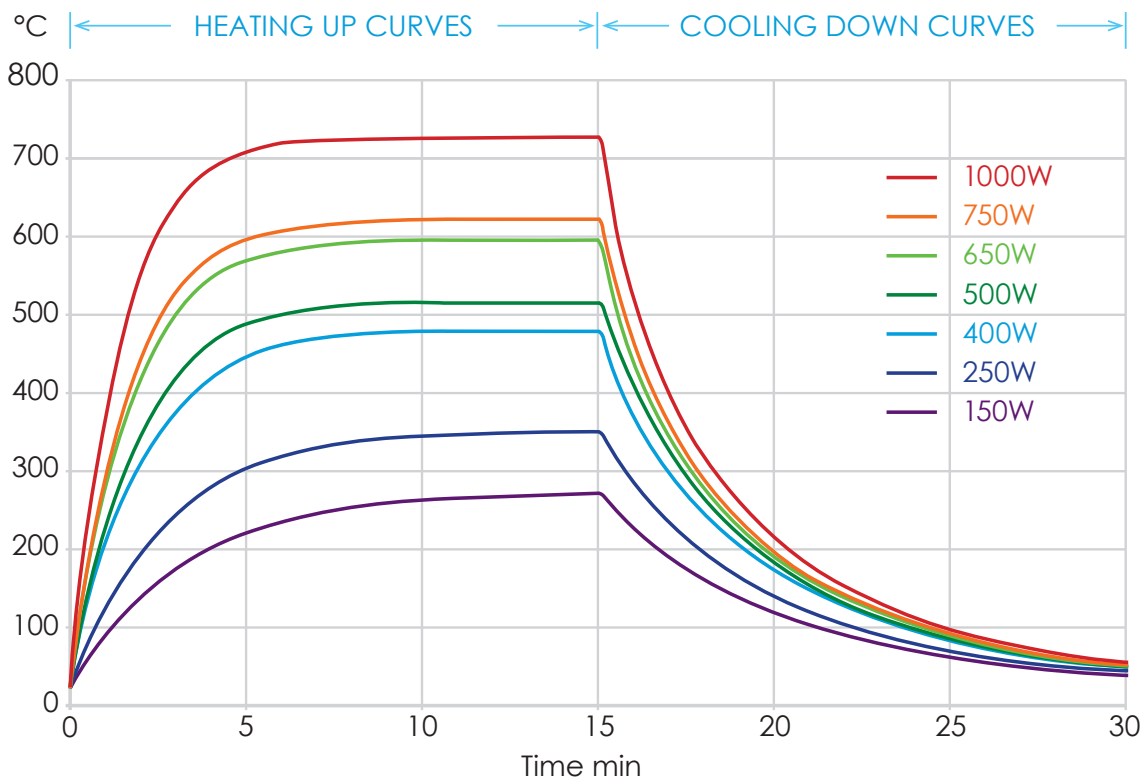


**HTE**  
HALF TROUGH ELEMENT

Tolerances apply, all dimensions mm.  
\* Face of reflector - face of element using 0.75 mm reflector, mounting hole size 15 x 42 mm



25W42



**HTE** 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)