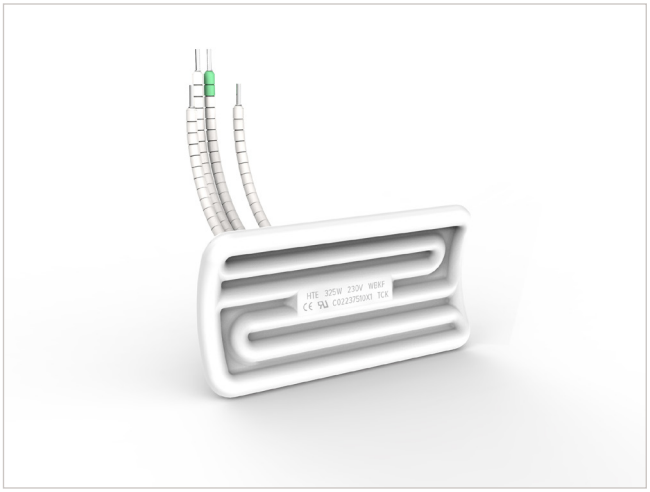
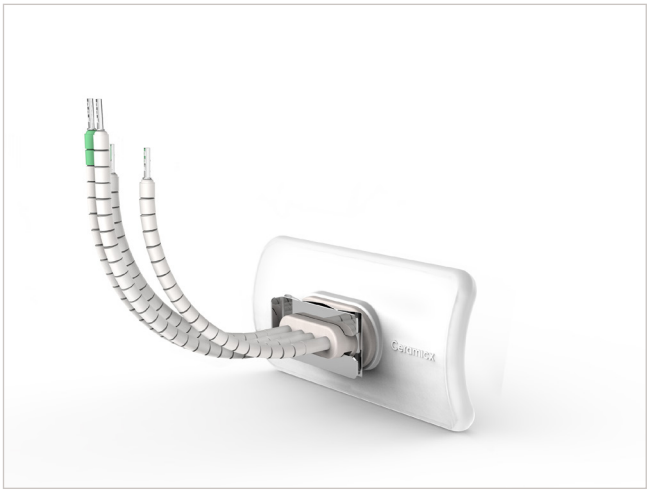
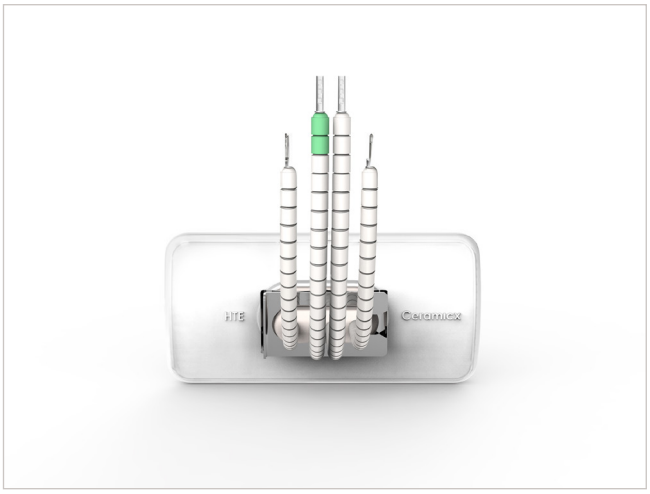
HTE TcK- Half Trough Element TcK







Ceramic Half Trough Infrared Heating Element with type K Thermocouple

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 *(standard)*
Operating temperature	Max permissible 800°C *(1472 °F)*
Useful wave-length range	2 - 10 µm *(microns)* - Long wave
Dimensions	122 x 60 x 35 mm
Average weight	105 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, UL
Packaging (*L x W x H*)	126 x 62 x 42 mm

Standard HTE range

	Mean Surface Temperature °C	Max Power Density kW/m²
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

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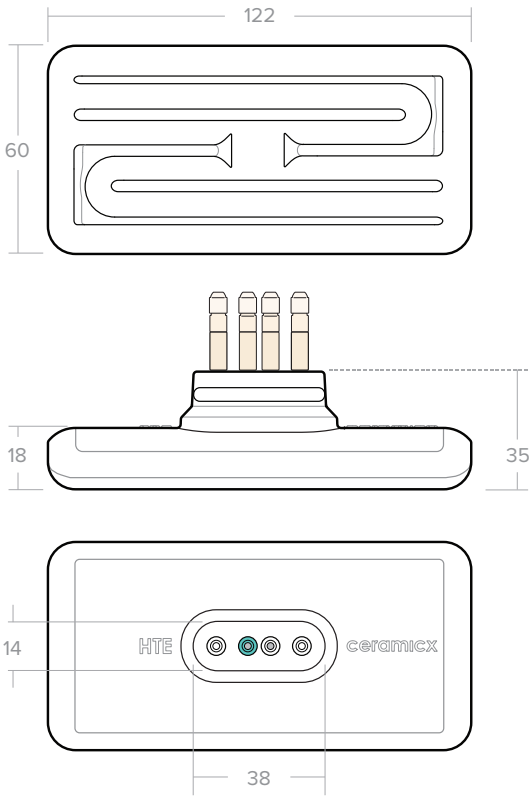

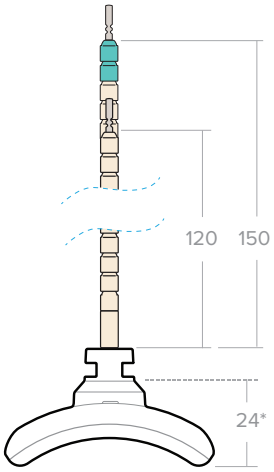

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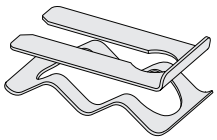


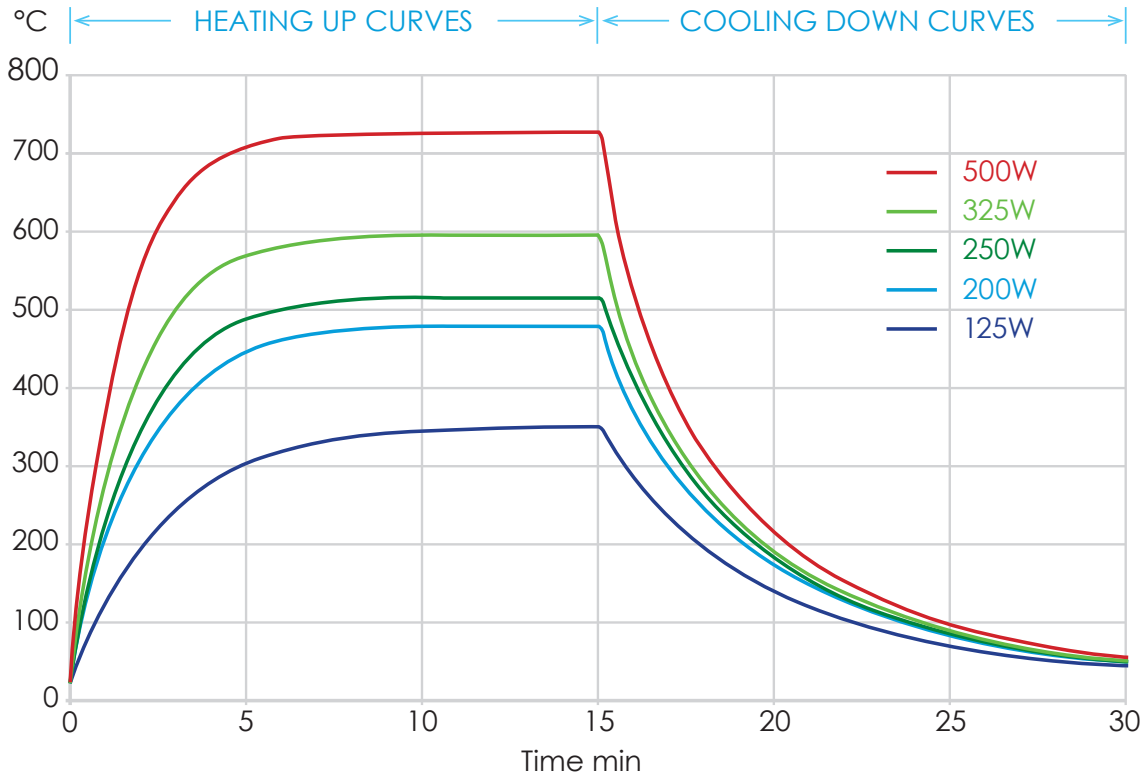
Element supplied with
Wave Spring and Clip

HTE TcK
HALF TROUGH ELEMENT
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

22W50



HTE 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*)

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