INFRARED ELEMENTS IN CERAMIC SFEH - SQUARE FLAT ELEMENT HOLLOW

BACKER

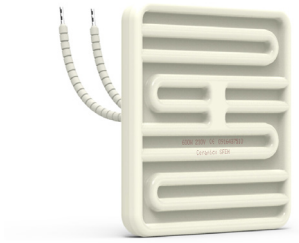
Properties

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.

The hollow design has the advantage of having a shorter heat up time combined with increased energy efficiency. There is a significant reduction in rear heat loss and increased radiant output from the front of the element.



Technical specification

Material	Ceramic hollow body in white glace colour with an embedded high temperature resistance wire
Heater voltage	230 V
Operating temperature	Max permissible 750°C
Useful wave-length range	2 to 10 µm (microns) long wavelength
Dimensions	122x122x37.5 mm
Average weight	239 g
Electric connection	120 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 SFEH	Power W	Mean surface temperature °C	Max power density kW/m²	Article no
SFEH 250	250	390	15	3054530250
SFEH 400	400	497	24	3054530400
SFEH 500	500	548	30	3054530500
SFEH 600	600	602	36	3054530600
SFEH 800	800	710	48	3054530800

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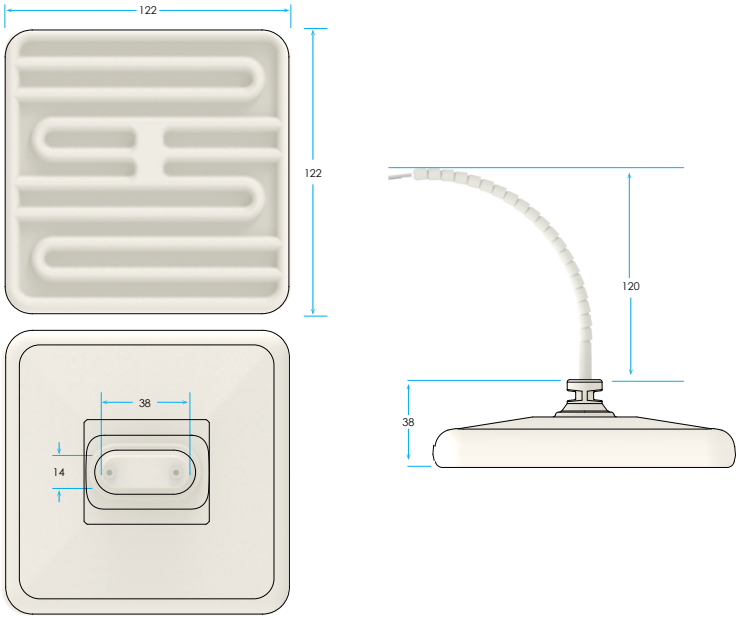
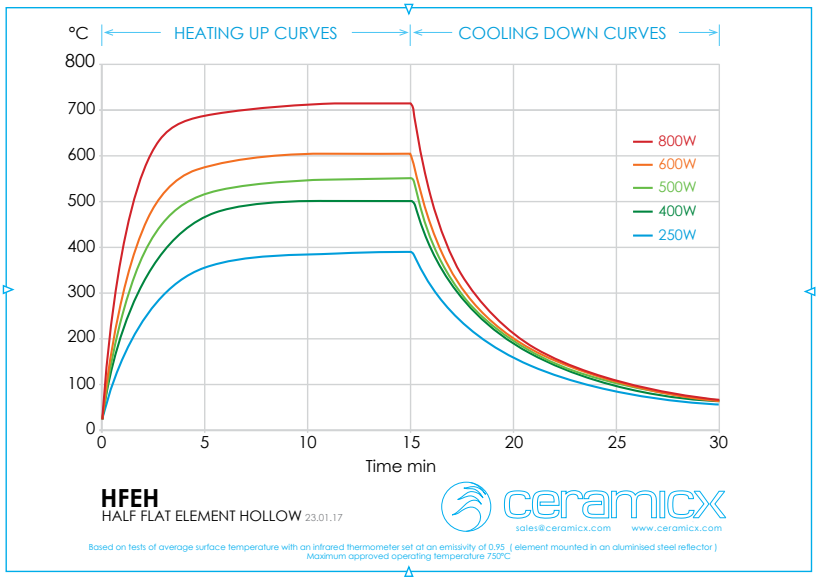


Heat up - Cool down curves



Options

High temperature NPC cable and ceramic terminal blocks, different options
Mounting bracket article no 3009010301
Stainless steel bus bars 8x2x1000 mm article no 3005020305
Other voltages, wattages, lead lengths and ceramic glaze colours available on request

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