

INFRARED ELEMENTS IN CERAMIC SFSE – SQUARE FLAT SOLID 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 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 solid cast heater body is flat, producing a diffuse radiant output to target distance in some applications.



Technical specification

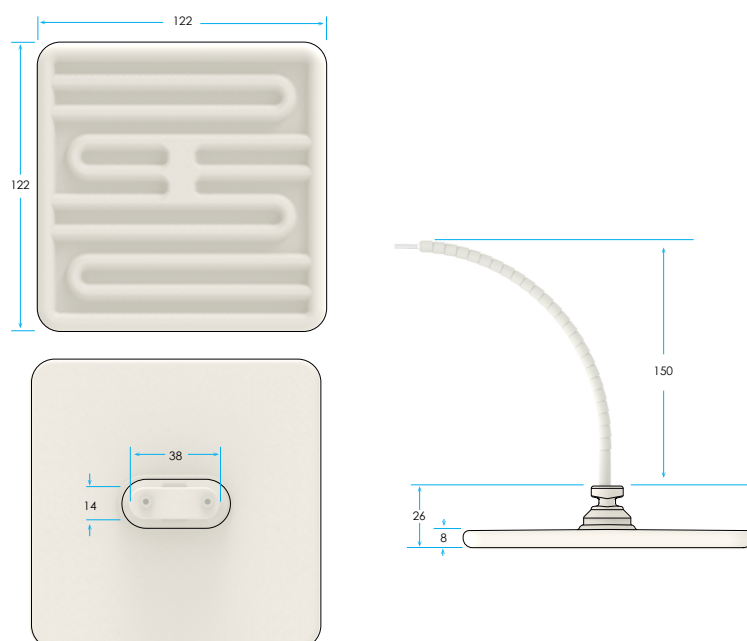
Material	Ceramic solid body in white glaze colour with an embedded high temperature resistance wire
Heater voltage	230 V
Operating temperature	Max permissible 750°C
Useful wavelength range	2 to 10 μm (microns) long wavelength
Dimensions	122x122x26 mm
Average weight	192 g
Electric connection	150 mm ceramic 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, UL-499

Standard assortment

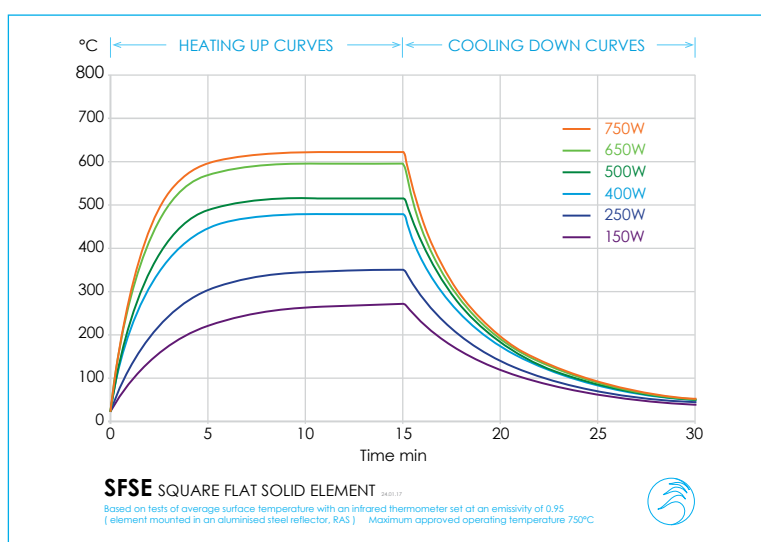
Model SFSE	Power W	Mean surface temperature °C	Max power density kW/m ²	Article no
SFSE 250	250	351	15	3054130250
SFSE 400	400	480	24	3054130400
SFSE 500	500	515	30	3054130500
SFSE 600	600	561	36	3054130600
SFSE 650	650	596	39	3054130650
SFSE 1000	1000	700	60	3054131000

INFRARED ELEMENTS IN CERAMIC

SFSE – SQUARE FLAT SOLID ELEMENT



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