

INFRARED ELEMENTS IN QUARTZ SQE-K

SQUARE QUARTZ ELEMENT WITH THERMOCOUPLE

Properties

The standard range of quartz infrared heating 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.

Quartz infrared heating elements are particularly effective in industrial applications where rapid heater response and/or zone controlled heating is required including systems with long heater off cycles.



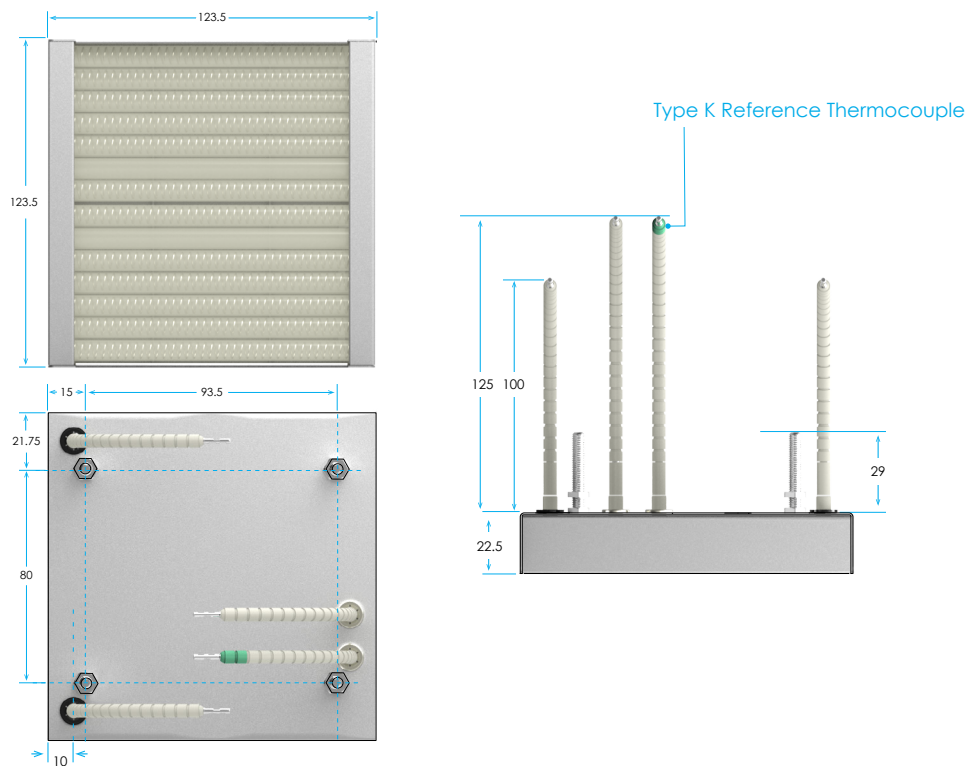
Technical specification

Material	Quartz glass tubes with a temperature resistance wire fitted in a cassette made of aluminised steel and a built-in thermocouple type K
Heater voltage	230 V
Operating temperature	Max 500°C on the aluminised steel cover
Useful wave-length range	1.5 to 8 µm (microns) medium to long wavelength
Dimensions	124x124x22.5 mm
Average weight	431 g
Electric connection	100 mm ceramic beaded power leads
Assembly	4 pcs M5x30mm fixing screws Heaters should be mounted horizontally and perpendicular to movement (if any) Recommended radiation distance from heater is 100 mm to 200 mm
Average operating life	5 000 hrs provided that warranty conditions are respected
Standards	CE

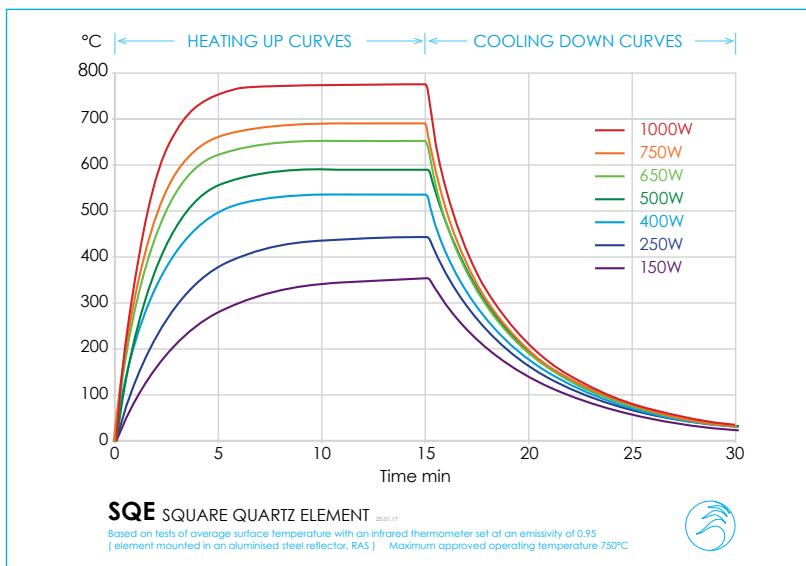
Standard assortment

Model SQE-K	Power W	Mean surface temperature °C	Max power density kW/m ²	Article no
SQE-K 150	150	343	9	3054260151
SQE-K 250	250	438	15	3054260251
SQE-K 300	300	477	18	3054260301
SQE-K 400	400	542	24	3054260401
SQE-K 500	500	593	30	3054260501
SQE-K 650	650	644	39	3054260651
SQE-K 750	750	690	45	3054260751
SQE-K 1000	1000	772	60	3054261001

INFRARED ELEMENTS IN QUARTZ SQE-K SQUARE QUARTZ ELEMENT WITH THERMOCOUPLE



Heat up - Cool down curves



Options

Cassette in stainless steel
High temperature NPC cable and ceramic terminal blocks, different options
Stainless steel bus bars 8x2x1000 mm article no 3005020305
Other voltages, wattages and lead lengths available on request