

## Datasheet

# Quartz Heating Element, 247 x 62.5mm, 500 W, 140mm

RS Stock number 705-4745

## Ceramic & Quartz Heaters

### Ceramic Heaters

- Maximum temperature of 700°C.
- Heating wire embedded into flat or concave shaped heater creates infrared in either focused or parallel rays.
- In compliance with all implemented EU
- Long wave emission pattern
- Watt densities vary from 6.45 w/ in<sup>2</sup> to 38.71 w/ in<sup>2</sup> (1 w/ cm<sup>2</sup> to 6 w/ cm<sup>2</sup>.)
- Can be supplied complete with thermocouple.
- Dimensions available: 245 X 60, 122 X 60, 122 X 122mm

Ceramic Infrared Heaters Individual elements are 96% infrared energy efficient with a maximum temperature of 700°C.

Standard voltages are 120, 220, 230, 240 and 480 and standard wattages range between 150 to 1000w.



### Quartz Heaters

Quartz heaters provide short to medium wavelength radiation and can be the most preferred source of heat when rapid heater response is needed. They are normally used for fast response applications, where the product can't be moved away from the heaters quickly or where long periods of off cycles provide cost saving advantages using quartz heaters capable of reaching operating temperatures in a matter of seconds. The heaters are comprised of a series of quartz tubes running parallel to each other within highly reflective stainless steel housing. Each tube contains a coiled resistance wire available in a variety of wattages and voltages. Watt densities up to 30 w/ sq. inch (4.65 w/ sq. cm) are available. The large variety of sizes, shapes, and watt densities allows quartz emitters to be highly useful in zoning arrangements such as plastic thermoforming sheet-fed applications where complex heating patterns are needed, high-speed roll-fed processes, and machines requiring precise zone control because they are small in size, and can easily be put in larger panels. Some of these emitters are approximately the same size as our ceramic infrared heaters.





- Dimensions available: 248 x 63, 122 x 63, 122 x 122, 60 x 60mm
- Fast Response
- Rapid heat-up
- Rapid cool down
- Ideal for fast cycling machines
- Highly reflective stainless steel casing
- High radiant efficiency
- Low convection losses
- Five Standard Sizes
- Large choice of power ratings available
- Volts: Heater can be manufactured to suit most supply voltages.