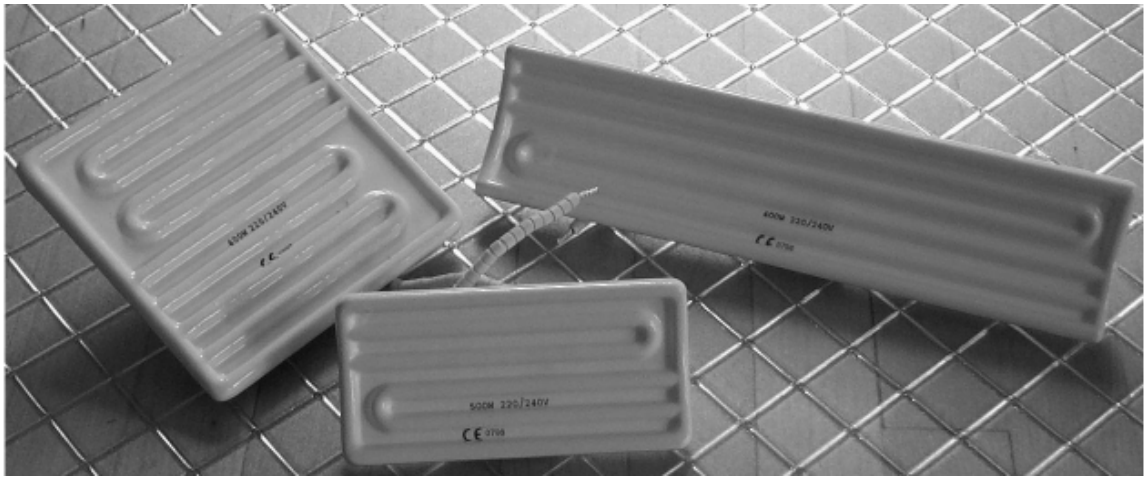
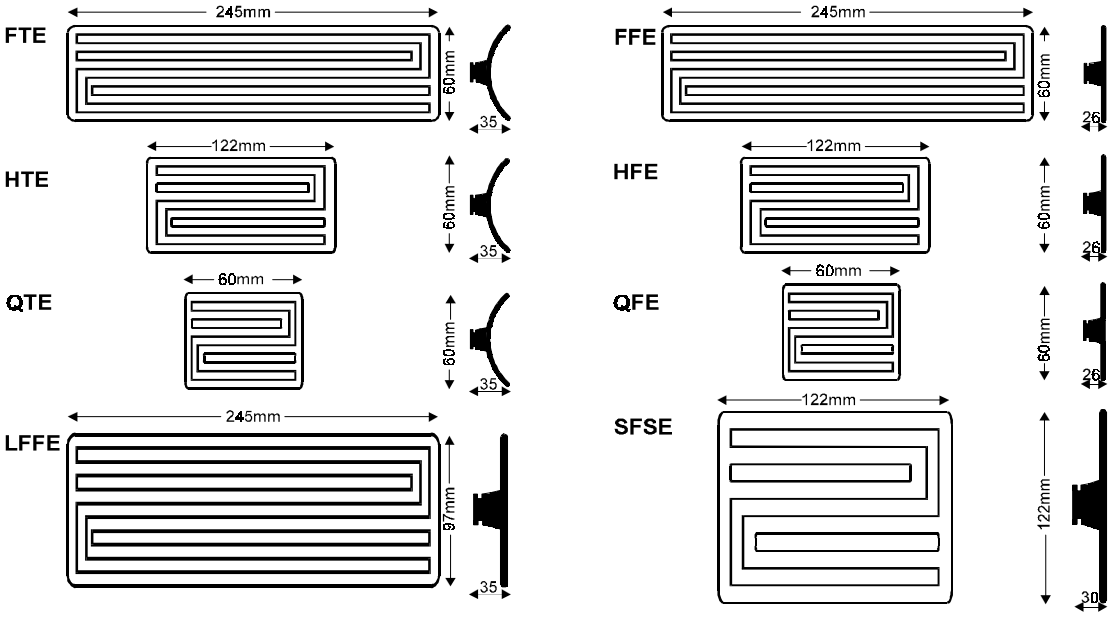
CERAMIC INFRARED HEATERS



The Ceramic Heater is an efficient, robust heater which provides long wave infrared radiation. They are used in applications ranging from thermo-forming to pre-heating to paint curing. Nearly all materials to be heated or dried provide maximum absorption in the 3 - 10 microns range. The Ceramic Heater was developed with this fact in mind, and is the reason why they can be applied to such a diverse range of industrial processes.

The Ceramic Heater is produced using a specialised process which involves an alloy resistance wire around which is cast a ceramic body. This body is then glazed to protect it from moisture ingress. It also protects the heater from atmospheric and corrosive attack. In this way the ceramic element optimises the maximum absorption characteristics, as they operate at temperatures of 300 °C to 750 °C (572 °F - 1382°F) producing a wavelength of 3-6 microns.

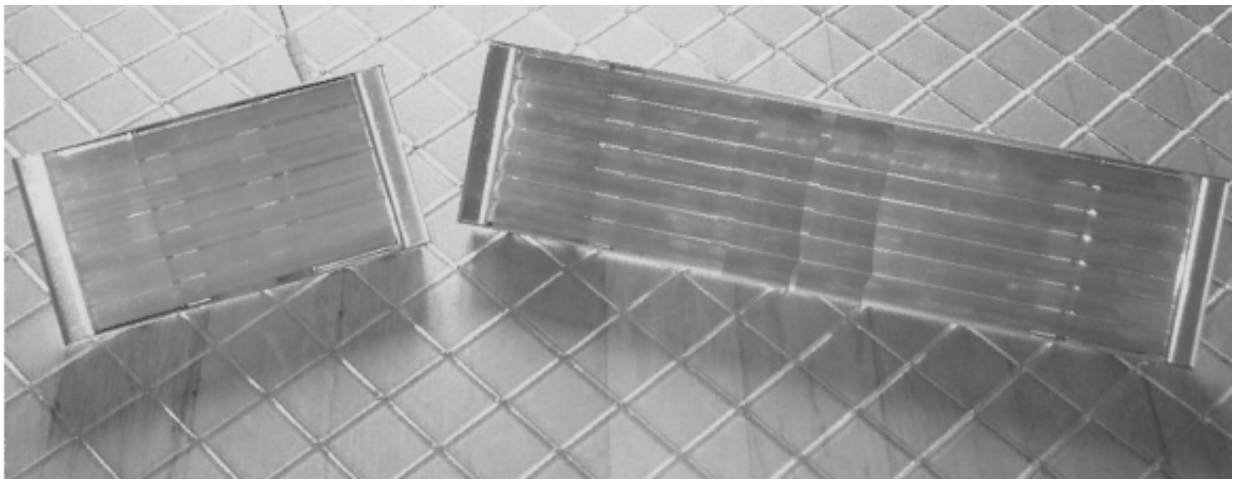


STANDARD (230V)		
PART#	WATT	PRICE
FTE-150	150W	
FTE-250	250	
FTE-300	300	
FTE-350	350	
FTE-400	400	
FTE-500	500	
FTE-650	650	
FTE-750	750	
FTE-1000	1000	

STANDARD (230V)		
PART#	WATT	PRICE
HTE-125	125W	
HTE-150	150	
HTE-200	200	
HTE-250	250	
HTE-300	300	
HTE-325	325	

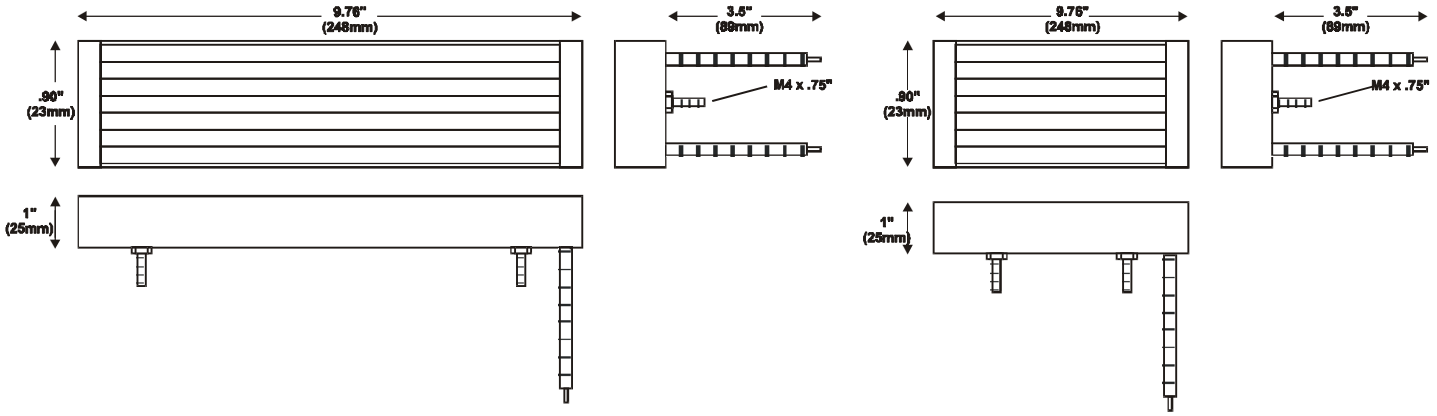
STANDARD (230V)		
PART#	WATT	PRICE
QTE-125	125W	
QTE-250	250	
SFSE-400	400W	
SFSE-650	650	
SFSE-750	750	

QUARTZ MODULE HEATERS



Quartz Heaters provide infrared radiation in the medium wavelength range of 1.5 to 5.6 microns. They are favoured in industrial applications where rapid heater response is necessary. They are most cost effective in systems with long heater off cycles as they reach operating temperature in a matter of seconds. Being similar in size to Ceramic Emitters, they can easily be used in systems where zone control of the heater area is a requirement. They have a recommended radiation distance of 100 - 200 mm.

Quartz Infrared heaters consist of a wound resistance coil which is run through a series of parallel Quartz tubes, all of which is encased in a highly reflective aluminised steel body. The reflective body ensures a low loss of radiation from the back of the heater. All elements are load tested as standard as well as 1500V earth leakage test as standard.

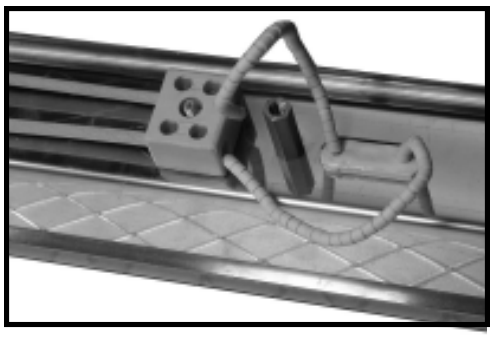


STANDARD (230V)		
PART	WATT	PRICE
FQE-500	500W	
FQE-750	750	
FQE-1000	1000	

STANDARD (230V)		
PART	WATT	PRICE
HQE-250	250	
HQE-500	500	

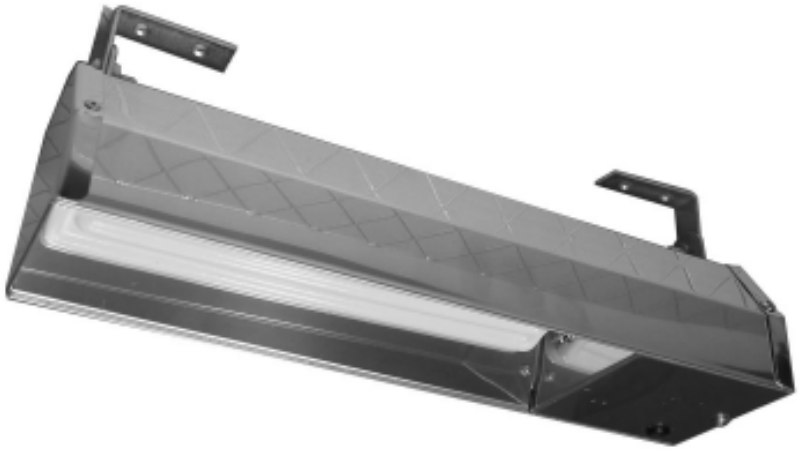
ALUMINISED STEEL PROJECTORS (P.A.S.)

Designed to cater for a wide range of Ceramic and Quart Elements, the aluminised steel projectors are the ideal solution in areas where positional heat is required quickly, but economically and effectively. Ideal for spray booth heating, the P.A.S. which is of slim construction, can be fixed directly to the walls and angled to give the most effective coverage of the area to be heated. They can also be used quite effectively in areas where doors are continuously being opened or insulation is poor.



ALUMINISED STEEL REFLECTORS (R.A.S.)

Designed to cater for a wide range of Ceramic and Quartz Emitters, the aluminised steel reflectors are produced inclusive of ceramic two way connector block plus high temperature wiring with 30mm tails. The R.A.S. units can be mounted individually or side-by-side to form IR panels. They can be fitted with elements of different sizes and wattages as required by your particular application.



CERAMIC TERMINAL BLOCKS