

other Applications

- PET perform heating in stretch blow moulding machines.
- Sterilizing / mirror coating drying glass industries
- Paper coating drying
- Paint baking
- Printing ink drying in offset machines
- All type of laminations
- Rubber coating drying
- Powder coating curing
- Preheating prior to embossing
- Soldering fusing in PCB industries
- Impregnation plants
- Screen Printing Curing on T-Shirts & Textiles



HEAT ONE TECHNOLOGY

Registered Office :

HEAT ONE TECHNOLOGY

(INFRARED HEATING ELEMENTS)

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Branch Office:

HEAT ONE TECHNOLOGY

(INFRARED HEATING ELEMENTS)

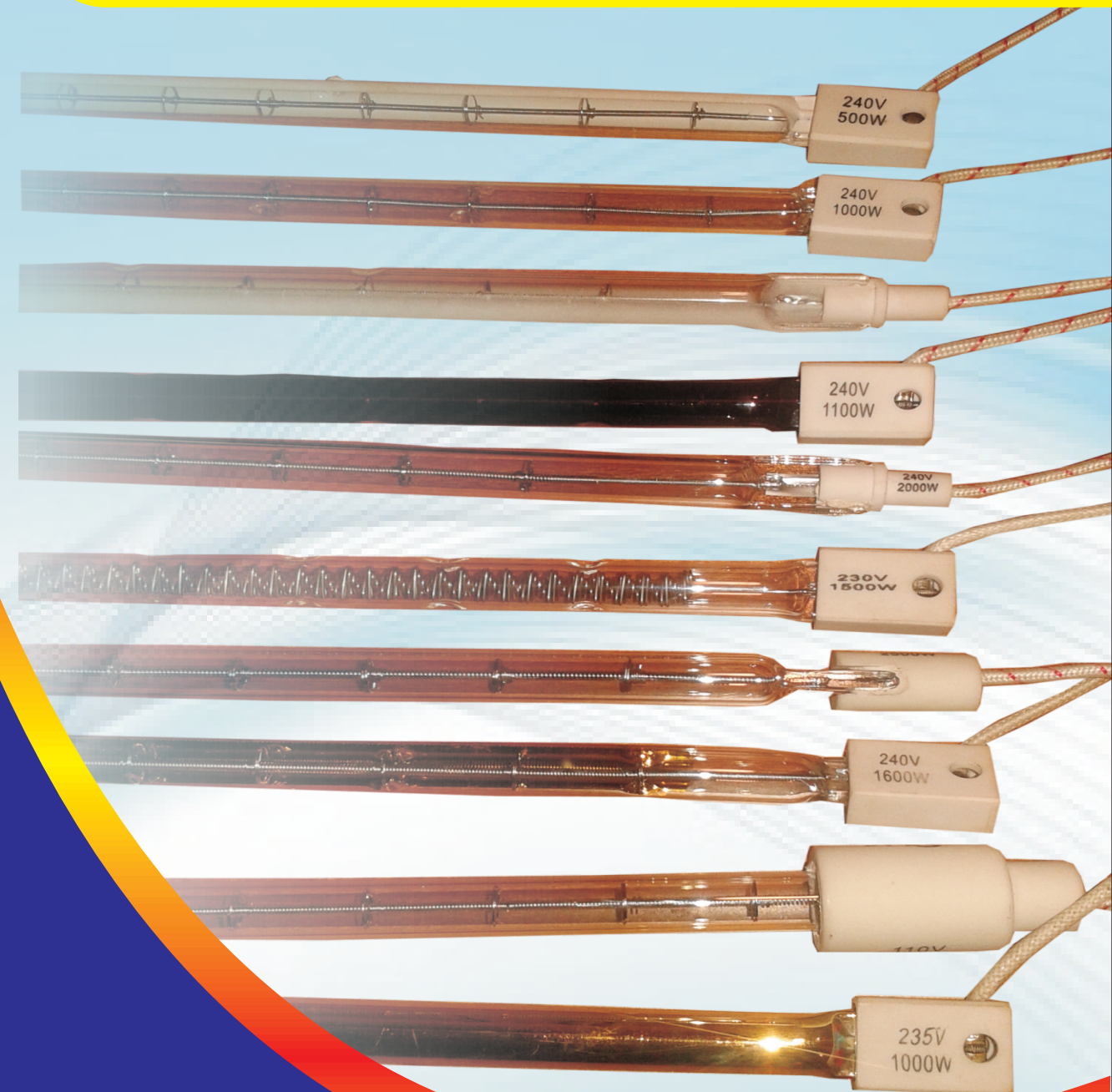
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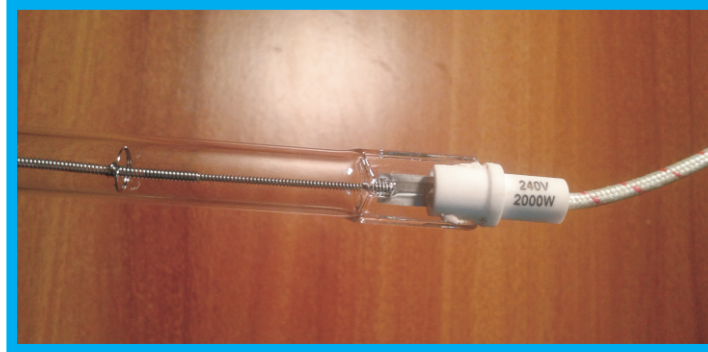
HEAT ONE TECHNOLOGY



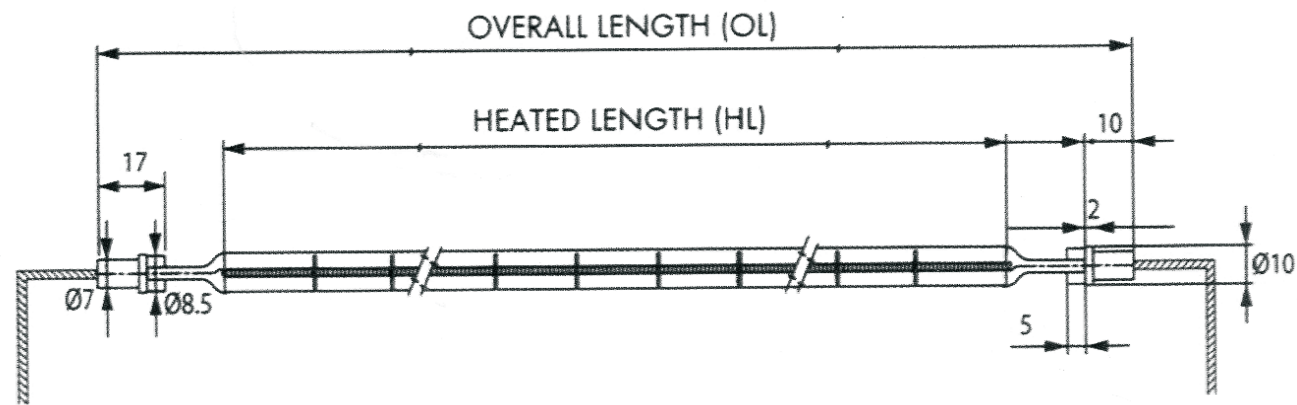
SHORT WAVE INFRARED HEATERS

Short Wave Infrared Heaters

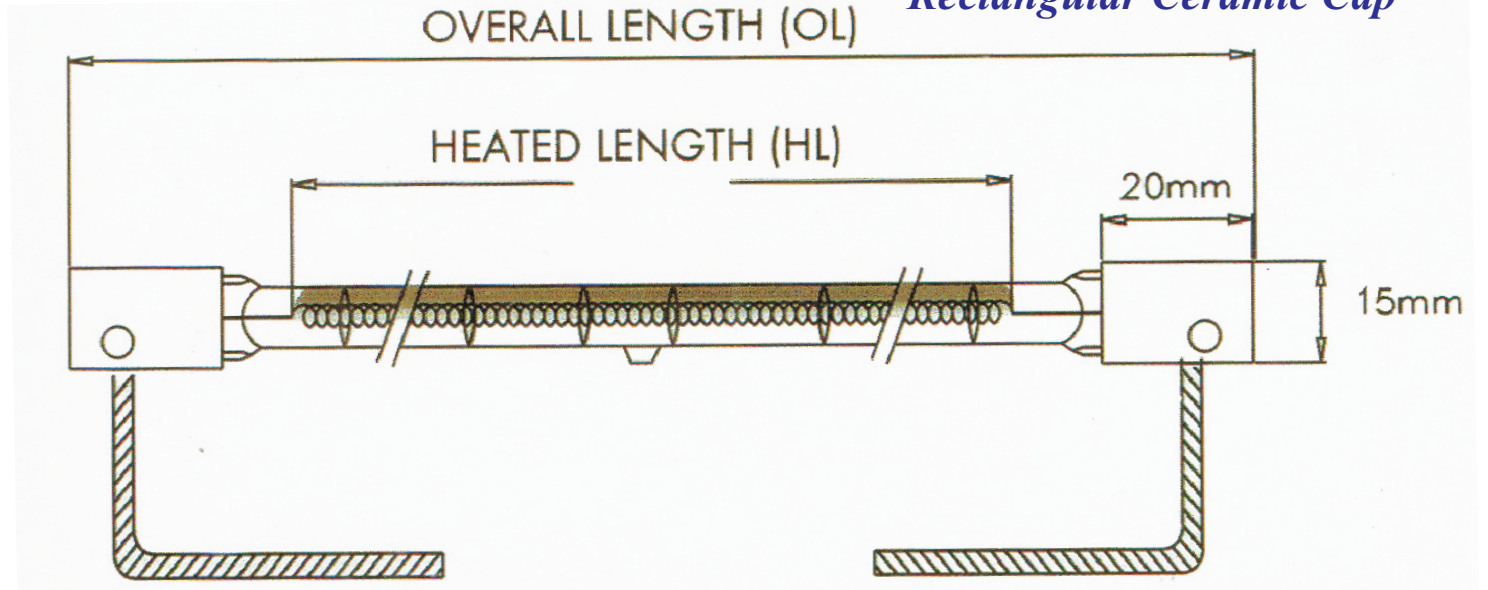
Infrared heat is transmitted directly in the form of electromagnetic rays, at a velocity of approx. 300,000 km (sec: i.e. at the speed of light. IR is therefore not only the " fastest form of heat", but is also suitable for particularly demanding applications such as vacuum technology and clean room conditions. Infrared heat is particularly economical on energy compared to other heat sources because it acts quickly, directly on product. Short Wave IR emitters are suitable for all applications in which the attainment of high temperatures in the shortest possible tie is what counts.



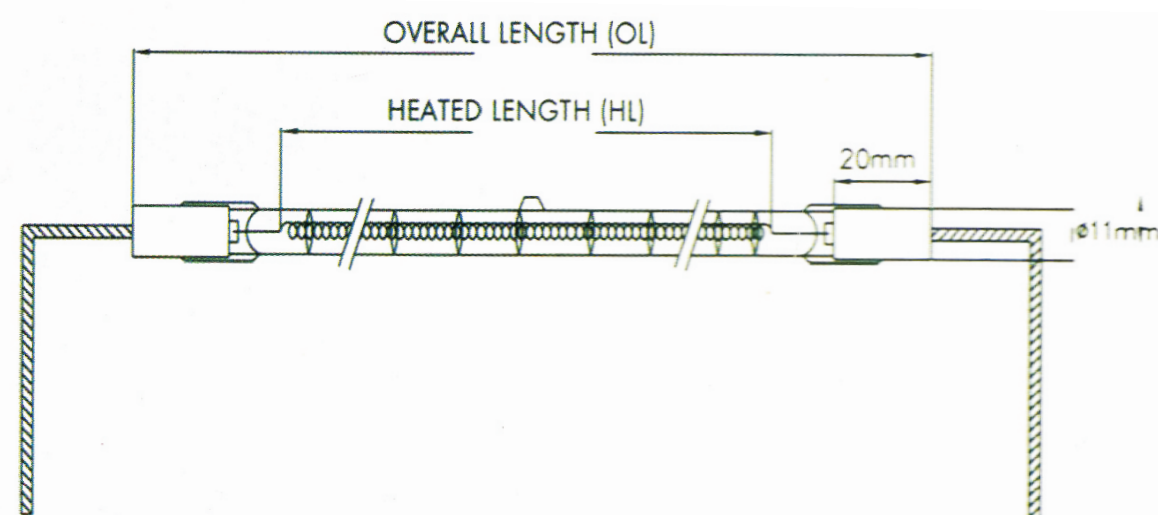
Small Round Ceramic Cap



Rectangular Ceramic Cap



Big Round Ceramic Cap



Standard Size Available

Code	Heated HL (mm)	Overall Length OL (mm)	Wattage (W)	Voltage (V)	Inches (I)
SW 500	127	212	500	240	09"
SW 1000	254	348	1000	240	14"
SW 1600	406	500	1600	240	20"
SW 2000	508	626	2000	240	24"
SW 2000	850	950	2000	240	36"
SW 2000	1020	1120	2000	240	44"
SW 2500	635	728	2500	240	29"

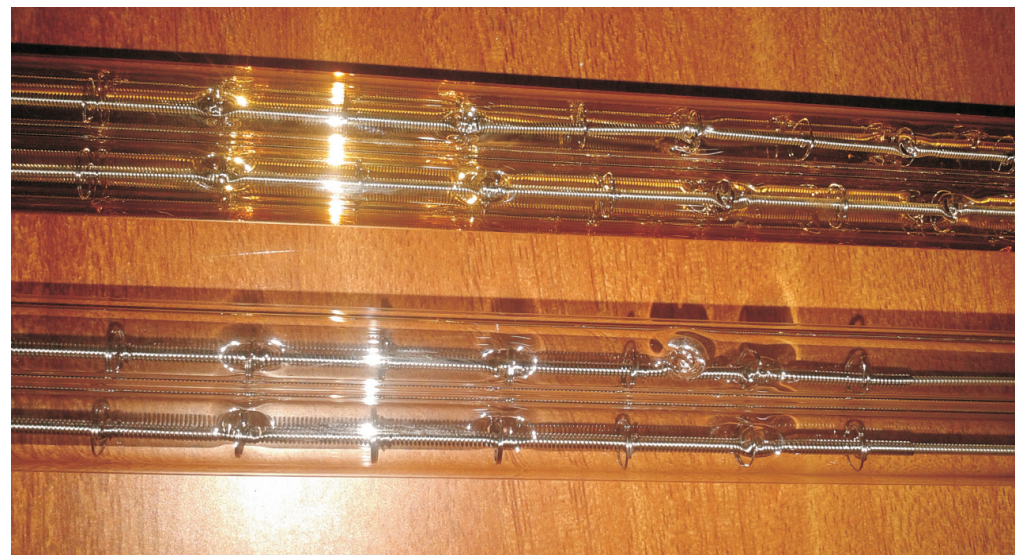
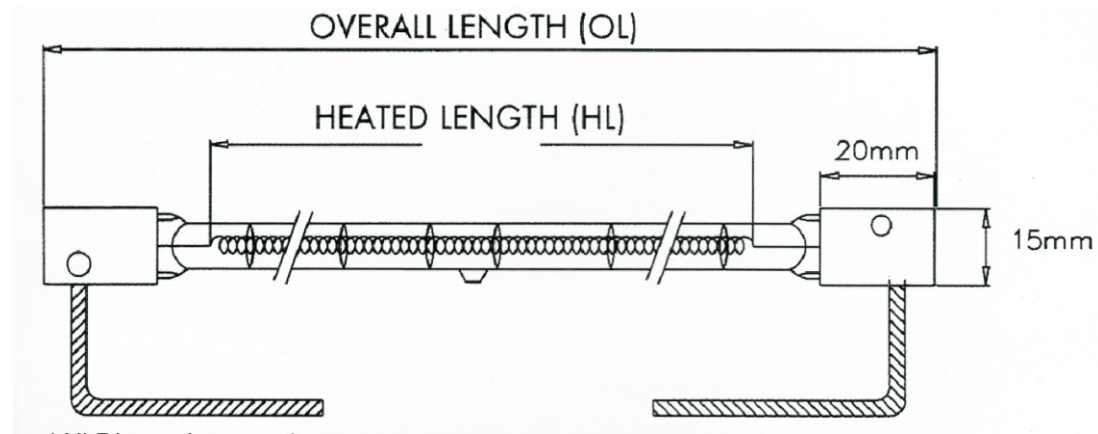
Code	Heated HL (mm)	Overall Length OL (mm)	Wattage (W)	Voltage (V)	Inches (I)
SW 2000	508	626	2000	415	24"
SW 2500	635	728	2500	415	29"
SW 1600	406	500	1600	415	20"
SW 3000	508	626	3000	415	24"
SW 3000	765	875	3000	415	34"



Ruby Red Colour Infrared Heaters



White Coated Infrared Heaters



Gold Coated Shortwave Infrared Heaters

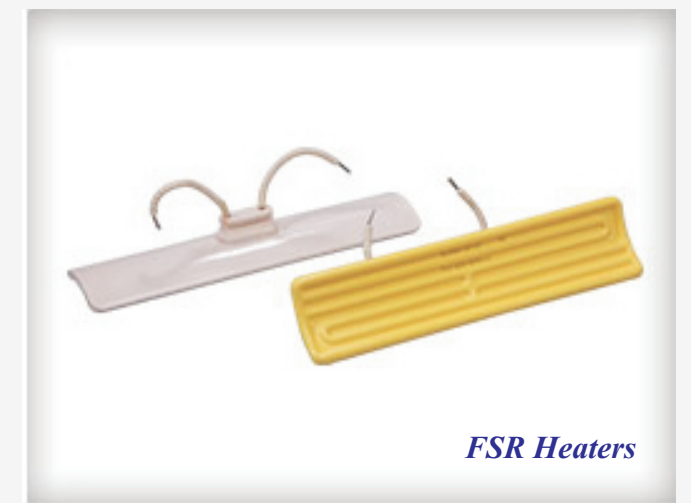
Ceramic Infrared Heaters Standard Sizes available

Size	Wattage (W)	Voltage (V)
245mm X 60mm	250	230
245mm X 60mm	500	230
245mm X 60mm	650	230
245mm X 60mm	1000	230
122mm X 60mm	500	230

Ceramic Infrared Heaters



HTS Heaters



FSR Heaters



SHTS Heaters



Colour Changing Heaters

Ceramic infrared heaters which are designed for operating temperatures up to 720 °C. Surface ratings of up to 64 kW/m² can be installed.

Ceramic infrared heaters can be used universally and are suitable for assembling radiation areas with any geometry required. They are available in three designs and cover the power range from 60 W to 1000 W.

All Standard size available in white & Yellow colours

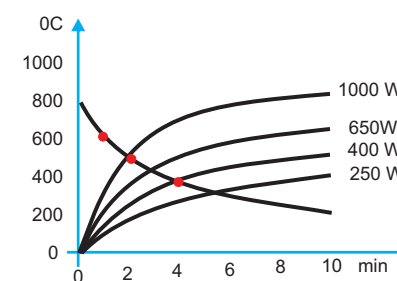


Fig. 33: Heater temperatures
Heating-up : red curves
Cooling-down : blue curve

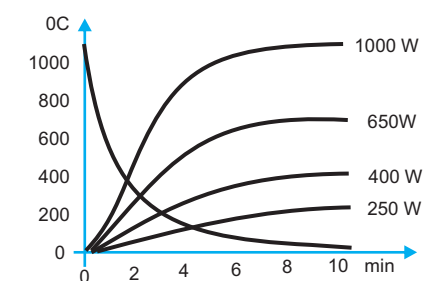


Fig. 34: Radiant powers
Heating-up : red curves
Cooling-down : blue curve

MEDIUM WAVE QUARTZ INFRARED HEATERS



Quartz Heaters consist of a helically wound resistance coil housed in a pure vitreous silica fused quartz tube. The Quartz tubing is terminated with specially designed ceramic insulating caps which are securely fastened to the quartz tube with high temperature cement providing excellent support to the power connecting termination. Quartz Heaters are designed to be used in a horizontal position only. Quartz Heaters are available in various diameters like 8, 10, 12, 15, 19 mm & lengths from 300 to 1500 mm.

Clamps

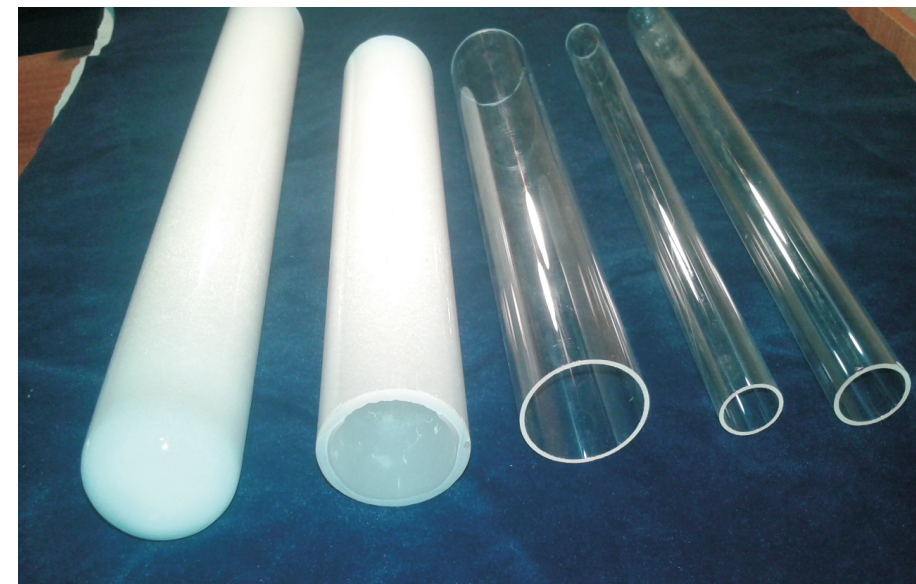
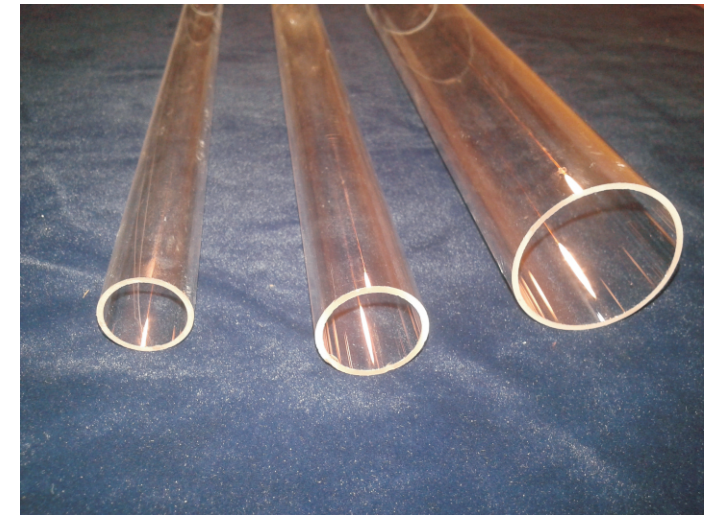


Rectangular Ceramic cap



Small round Ceramic cap

QUARTZ GLASS TUBES

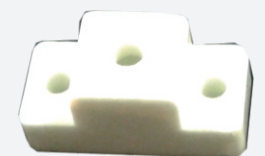


Clear Quartz Tube

The clear quartz glass tubes are obtained through the use of different types of raw materials like natural or synthetic quartz sand. Quartz glass tube have ultra high purity ,good spectral transmission, well controlled dimensions and lower (OH) Hydroxyl.

Milky Quartz Tube

The opaque quartz tube has its typical characteristics of precise dimension, strong heat resistance and high thermal stability. It serves as material of infrared heating for heaters, microwave oven, electrical baking oven, car painting, baking etc. These tube can also be used as silica immersion heater with one end of glass tube closed



Ceramic Connectors