

**Q SERIES, QUARTZ INFRARED HEATING ELEMENTS**

OVERALL LENGTH	HOT ZONE	WATTS	VOLTS (See page 1)	MODEL NUMBERS
22	18	500	120	Q*51-*22
22	18		240	Q*52-*22
22	18	750	120	Q*71-*22
22	18		240	Q*72-*22
22	18	1000	120	Q*101-*22
22	18		240	Q*102-*22
22	18	1250	120	Q*121-*22
22	18	1500	120	Q*151-*22
34	30		120	Q*51-*34
34	30	500	240	Q*52-*34
34	30		120	Q*71-*34
34	30	750	240	Q*73-*34
34	30		120	Q*103-*34
34	30	1000	240	Q*103-*34
34	30		120	Q*123-*34
34	30	1250	240	Q*123-*34
34	30		120	Q*153-*34
34	30	1500	240	Q*153-*34
34	30		120	Q*201-*34
34	30	2000	240	Q*202-*34
46	42		120	Q*51-*46
46	42	500	240	Q*52-*46
46	42		120	Q*71-*46
46	42	750	240	Q*72-*46
46	42		120	Q*101-*46
46	42	1000	240	Q*101-*46
46	42		120	Q*102-*46
46	42	1250	240	Q*121-*46
46	42		120	Q*122-*46
46	42	1500	240	Q*151-*46
46	42		120	Q*152-*46
46	42		120	Q*201-*46
46	42	2000	240	Q*202-*46
46	42		120	Q*252-*46
46	42	2500	240	Q*252-*46
46	42	3000	240	Q*302-*46

**Q SERIES, QUARTZ INFRARED HEATING ELEMENTS**

OVERALL LENGTH	HOT ZONE	WATTS	VOLTS (See page 1)	MODEL NUMBERS
58	54		120	Q*51-*58
58	54	500	240	Q*52-*58
58	54		120	Q*71-*58
58	54	750	240	Q*72-*58
58	54		120	Q*101-*58
58	54	1000	240	Q*102-*58
58	54		120	Q*121-*58
58	54	1250	240	Q*122-*58
58	54		120	Q*151-*58
58	54	1500	240	Q*152-*58
58	54		120	Q*201-*58
58	54	2000	240	Q*202-*58
58	54	2500	240	Q*252-*58
58	54	3000	240	Q*302-*58
70	66		120	Q*101-*66
70	66	1000	240	Q*102-*66
70	66		120	Q*121-*66
70	66	1250	240	Q*122-*66
70	66		120	Q*151-*66
70	66	1500	240	Q*152-*66
70	66		120	Q*201-*66
70	66	2000	240	Q*202-*66
70	66	2500	240	Q*252-*66
70	66	3000	240	Q*302-*66
70	66	3500	240	Q*352-*66
70	66	4000	240	Q*402-*66

## Q Series Infrared Heater Features and Benefits

### RUGGED CONSTRUCTION:

- ◆ Heavy wall quartz sheath in standard 5/8 inch diameter resists corrosion and chemical vapors. Ceramic insulators provide positive electrical insulation.

### OUTSTANDING PERFORMANCE:

- ◆ Ideal for curing, baking and drying applications
- ◆ Watt densities of 50 watts per square inch (8 w/cm<sup>2</sup>).

### CORROSION RESISTANT HEAD:

- ◆ Vapor resistant, flame retardant polypropylene terminal enclosure with 3 ft (.9m) flexible PVC liquid tight conduit.

### LONG-LIFE NICKEL CHROME RESISTANCE WIRE:

- ◆ Brightness: bright red to dull orange.
- ◆ Peak wavelength: 2.55 microns.
- ◆ Maximum power density: 1.3 to 1.75 kW/ft<sup>2</sup>.
- ◆ Watts per linear inch: 34-45.
- ◆ Conversion efficiency infrared energy: 40-62%.
- ◆ Response time heat/cool: 1 to 2 minutes.
- ◆ Color sensitivity: medium.
- ◆ Thermal shock resistance: excellent.

**SIZES:** 500 watts to 4000 watts.

### VOLTAGES:

- ◆ 120 to 480 volts.

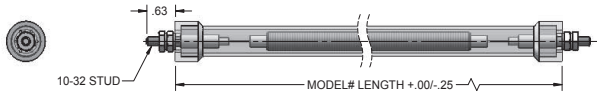
### OPTIONS AVAILABLE (consult factory):

- ◆ Special wattages and lengths available to fit most ovens/panels.
- ◆ 1/2 inch diameter tubes.
- ◆ Selection of electrical terminal styles (specify RA, RB, RC, RE, ARE).

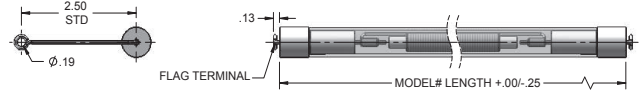
**NOTE:** Intended for horizontal installation only.

# DIMENSIONS

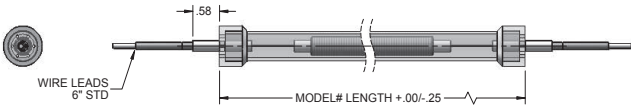
## QRA ASSEMBLY



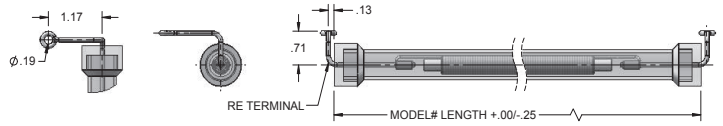
## QRB ASSEMBLY



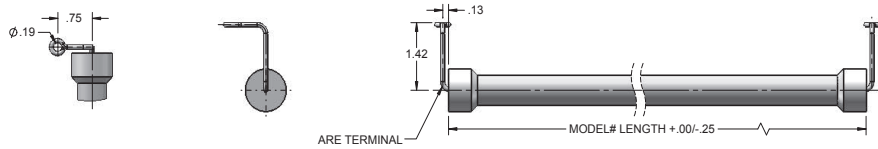
## QRC ASSEMBLY



## QRE ASSEMBLY



## QARE ASSEMBLY



## QUARTZ INFRARED HEATER ORDERING INFORMATION

Series/Termination Style	Wattage	Voltages	Tube Size	Model Length	Options
QRA QRB QRC QRE QARE	5 = 500W 7 = 750W 10 = 1000W 12 = 1250W 15 = 1500W 20 = 2000W 25 = 2500W 30 = 3500W 35 = 3500W 40 = 4000W	1 = 120V 2 = 240V 4 = 480V 8 = 208V	<b>QRA, QRB &amp; QRC Tube</b> B = 5/8" OD, Translucent, Standard C = 9/16" OD, Translucent, <b>Not Recommended</b> , Available Only in Model Length < 48" <b>QRE &amp; QARE Standard Tubes</b> B = 5/8" OD, Translucent, Standard for Model Length >= 48" C = 9/16" OD, Translucent, Standard & Available Only in Model Length < 48" <b>Optional Tubes (Consult Factory for Availability)</b> A = 5/8" OD, Clear D = 3/4" OD, Clear	# = INCHES Ex: 48 = 48"	H = High Temp Cement *S5 = Mica *S5-TW = Mica w/Thermowell X_W = No Conduit, _" Wire - for QRC Only Ex: X84W = 84" Wire Lead ##### = Special Print Designator

### ORDERING EXAMPLE:

QRE252-B48

Quartz element, 2500 watt, 240 volt, 48" overall.

