



R SERIES, QUARTZ INFRARED HEATING ELEMENTS											
WATTS	VOLTS	HOT ZONE	OVERALL LENGTH	MODEL NUMBER	SHIP WGT.*	WATTS	VOLTS	HOT ZONE	OVERALL LENGTH	MODEL NUMBER	SHIP WGT.*
		In./(mm)	In./(mm)		Lbs./(kg)			In./(mm)	In./(mm)		Lbs./(kg)
<b>22 inch length</b>						<b>58 inch length</b>					
500	120	18	22	R5221	6	500	120	54	58	R5581	12
	240	(457)	(559)	R5222	(2.5)		240	(1372)	(1473)	R5582	(5.5)
750	120	18	22	R7221	6	750	120	54	58	R7581	12
	240	(457)	(559)	R7222	(2.5)		240	(1372)	(1473)	R7582	(5.5)
1000	120	18	22	R10221	6	1000	120	54	58	R10581	12
	240	(457)	(559)	R10222	(2.5)		240	(1372)	(1473)	R10582	(5.5)
1250	240	18	22	R12221	6	1250	120	54	58	R12581	12
		(457)	(559)		(2.5)		240	(1372)	(1473)	R12582	(5.5)
1500	240	18	22	R15221	6	1500	120	54	58	R15581	12
		(457)	(559)		(2.5)		240	(1372)	(1473)	R15582	(5.5)
<b>34 inch length</b>						<b>70 inch length</b>					
500	120	30	34	R5341	7	2000	120	54	58	R20581	12
	240	(762)	(864)	R5342	(3.5)		240	(1372)	(1473)	R20582	(5.5)
750	120	30	34	R7341	7	2500	240	54	58	R25582	12
	240	(762)	(864)	R7342	(3.5)			(1372)	(1473)		(5.5)
1000	120	30	34	R10341	7	3000	240	54	58	R30582	12
	240	(762)	(864)	R10342	(3.5)			(1372)	(1473)		(5.5)
1250	120	30	34	R12341	7	<b>70 inch length</b>					
	240	(762)	(864)	R12342	(3.5)	1000	120	66	70	R10701	14
1500	120	30	34	R15341	7		240	(1676)	(1778)	R10702	(6.5)
	240	(762)	(864)	R15342	(3.5)	1250	120	66	70	R12701	14
2000	120	30	34	R20341	7		240	(1676)	(1778)	R12702	(6.5)
	240	(762)	(864)	R20342	(3.5)	1500	120	66	70	R15701	14
<b>46 inch length</b>							240	(1676)	(1778)	R15702	(6.5)
500	120	42	46	R5461	10	2000	120	66	70	R20701	14
	240	(1067)	(1168)	R5462	(4.5)		240	(1676)	(1778)	R20702	(6.5)
750	120	42	46	R7461	10	2500	240	66	70	R25702	14
	240	(1067)	(1168)	R7462	(4.5)			(1676)	(1778)		(6.5)
1000	120	42	46	R10461	10	3000	240	66	70	R30702	14
	240	(1067)	(1168)	R10462	(4.5)			(1676)	(1778)		(6.5)
1250	120	42	46	R12461	10	3500	240	66	70	R35702	14
	240	(1067)	(1168)	R12462	(4.5)			(1676)	(1778)		(6.5)
1500	120	42	46	R15461	10	4000	240	66	70	R40702	14
	240	(1067)	(1168)	R15462	(4.5)			(1676)	(1778)		(6.5)
2000	120	42	46	R20461	10						
	240	(1067)	(1168)	R20462	(4.5)						
2500	240	42	46	R25462	10						
		(1067)	(1168)		(4.5)						
3000	240	42	46	R30462	10						
		(1067)	(1168)		(4.5)						

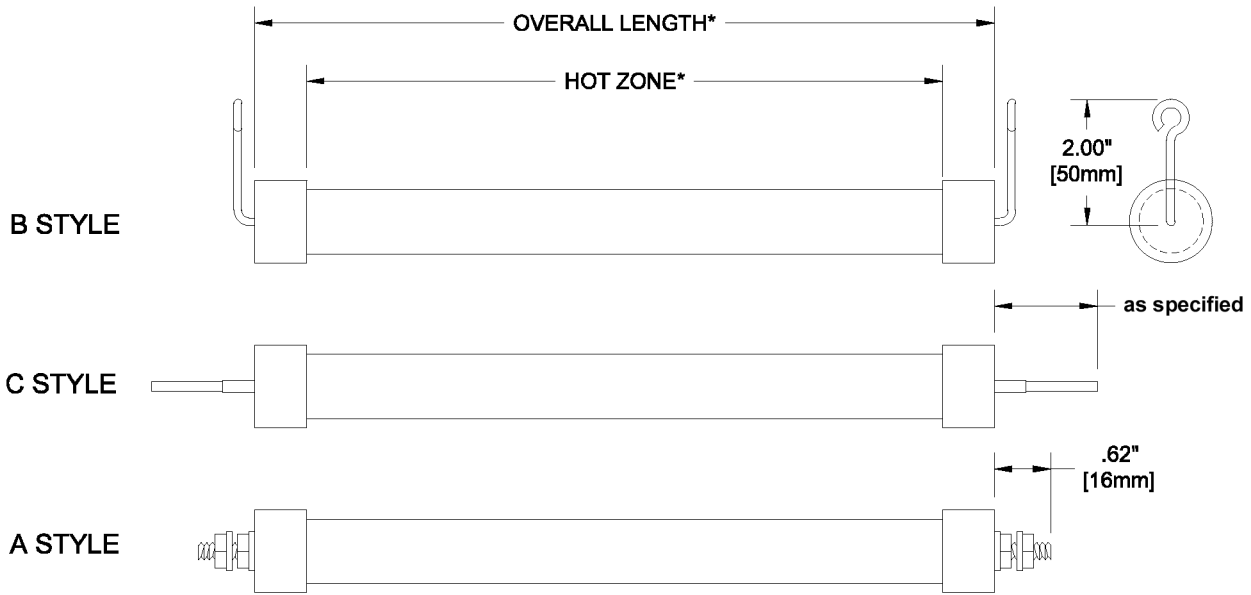
\* Shipping weight is for minimum 12 element order.

## Product 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.
- ◆ **SUPERIOR PERFORMANCE:**
  - Ideal for curing, baking and drying applications.
  - Watt densities of 50 watts per square inch (8 w/cm<sup>2</sup>).
  - Capable of reaching full heat in 40 to 65 seconds.
- ◆ **CERTIFICATIONS:** CE.
- ◆ **SIZES:** 500 watts to 4,000 watts.
- ◆ **VOLTAGES:** 120 and 240 as listed. 208 and other voltages available. Single phase standard.
- ◆ **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.
- ◆ **OPTIONS AVAILABLE (consult factory):**
  - Special wattages and lengths available to fit most ovens/panels.
  - ½-inch diameter tubes.
  - Three electrical terminal styles (specify "A", "B", or "C").
  - Temperature controls sized to match the heater.
- ◆ **12 ELEMENT MINIMUM ORDER REQUIRED.**

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

## DIMENSIONS



\*see chart on front page for dimensions lengths

## QUARTZ INFRARED HEATING ELEMENT ORDERING INFORMATION

Series	Wattage	Overall length (in inches)	Voltages	Termination
	5 = 500 watt 7 = 750 watt 10 = 1000 watt 12 = 1250 watt 15 = 1500 watt 20 = 2000 watt 25 = 2500 watt 30 = 3000 watt 35 = 3500 watt 40 = 4000 watt	22 = 500 through 1000 watts 34 = 500 through 2000 watts 46 = 500 through 3000 watts 58 = 500 through 3000 watts 70 = 1000 through 4000 watts	1 = 120 2 = 240 -208- = 208	A = 8-32 x 5/8" thread B = flag terminal C = straight wire terminal
	R = quartz infrared			

### ORDERING EXAMPLE:

R5221B

Quartz radiant (IR) element, 500 watts, 22" long, 120 volt, style "B" termination.

**NOTE:** Elements must be mounted in horizontal position only.

