

Gemini Series

Standard Design (Non-Stock) Gemini Medium Wave Infrared E-Mitters

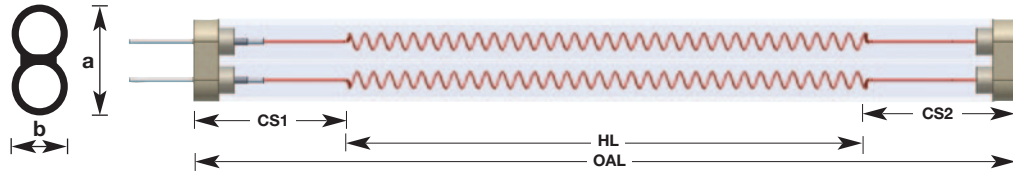
Leads for Standard Configuration are Stranded Lead Wire, Rated 842°F (450°C), 600V.

OAL: Overall Length

CS1: Lead End Cold Section

HL: Heated Length

CS2: Blind End Cold Section

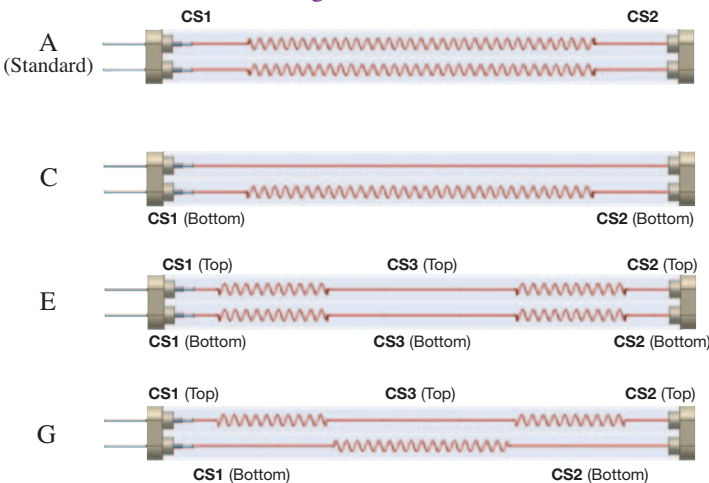


| Twin Bore Quartz Format Dimensions | | | | Overall Length | | Heated Length | | Power Watts | Part Numbers @ 230 Volts | | | Linear Power Watts per inch | Configuration Style | Lead Exit Angle |
|------------------------------------|----|------|----|----------------|------|---------------|------|-------------|--------------------------|----------|----------|-----------------------------|---------------------|-----------------|
| a | | b | | | | | | | Coatings | | | | | |
| in | mm | in | mm | in | mm | in | mm | Gold | White | None | | | | |
| 0.71 | 18 | 0.31 | 8 | 15.7 | 400 | 11.8 | 300 | 500 | GEM00001 | GEM10001 | GEM20001 | 42.4 | A | 0° |
| 0.91 | 23 | 0.43 | 11 | 23.6 | 600 | 19.7 | 500 | 1000 | GEM00002 | GEM10002 | GEM20002 | 50.8 | A | 0° |
| 1.30 | 33 | 0.59 | 15 | 35.4 | 900 | 31.5 | 800 | 2000 | GEM00003 | GEM10003 | GEM20003 | 63.5 | A | 0° |
| 1.30 | 33 | 0.59 | 15 | 43.3 | 1100 | 39.4 | 1000 | 2500 | GEM00004 | GEM10004 | GEM20004 | 63.5 | A | 0° |
| 0.91 | 23 | 0.43 | 11 | 51.2 | 1300 | 47.2 | 1200 | 2500 | GEM00005 | GEM10005 | GEM20005 | 53.0 | A | 0° |
| 1.30 | 33 | 0.59 | 15 | 55.9 | 1420 | 51.2 | 1300 | 3250 | GEM00006 | GEM10006 | GEM20006 | 63.5 | A | 0° |
| 1.30 | 33 | 0.59 | 15 | 63.0 | 1600 | 59.1 | 1500 | 3750 | GEM00007 | GEM10007 | GEM20007 | 63.5 | A | 0° |
| 1.30 | 33 | 0.59 | 15 | 66.9 | 1700 | 63.0 | 1600 | 4000 | GEM00008 | GEM10008 | GEM20008 | 63.5 | A | 0° |
| 1.30 | 33 | 0.59 | 15 | 70.9 | 1800 | 66.9 | 1700 | 4100 | GEM00009 | GEM10009 | GEM20009 | 61.3 | A | 0° |
| 1.30 | 33 | 0.59 | 15 | 75.6 | 1920 | 70.9 | 1800 | 4500 | GEM00010 | GEM10010 | GEM20010 | 63.5 | A | 0° |
| 1.30 | 33 | 0.59 | 15 | 83.5 | 2120 | 78.7 | 2000 | 5000 | GEM00011 | GEM10011 | GEM20011 | 63.5 | B | 0° |
| 1.30 | 33 | 0.59 | 15 | 102.4 | 2600 | 98.4 | 2500 | 6250 | GEM00012 | GEM10012 | GEM20012 | 63.5 | B | 0° |
| 0.71 | 18 | 0.31 | 8 | 15.7 | 400 | 11.8 | 300 | 500 | GEM00013 | GEM10013 | GEM20013 | 42.4 | A | 90° |
| 0.91 | 23 | 0.43 | 11 | 23.6 | 600 | 19.7 | 500 | 1000 | GEM00014 | GEM10014 | GEM20014 | 50.8 | A | 90° |
| 1.30 | 33 | 0.59 | 15 | 35.4 | 900 | 31.5 | 800 | 2000 | GEM00015 | GEM10015 | GEM20015 | 63.5 | A | 90° |
| 1.30 | 33 | 0.59 | 15 | 43.3 | 1100 | 39.4 | 1000 | 2500 | GEM00016 | GEM10016 | GEM20016 | 63.5 | A | 90° |
| 0.91 | 23 | 0.43 | 11 | 51.2 | 1300 | 47.2 | 1200 | 2500 | GEM00017 | GEM10017 | GEM20017 | 53.0 | A | 90° |
| 1.30 | 33 | 0.59 | 15 | 55.9 | 1420 | 51.2 | 1300 | 3250 | GEM00018 | GEM10018 | GEM20018 | 63.5 | A | 90° |
| 1.30 | 33 | 0.59 | 15 | 63.0 | 1600 | 59.1 | 1500 | 3750 | GEM00019 | GEM10019 | GEM20019 | 63.5 | A | 90° |
| 1.30 | 33 | 0.59 | 15 | 66.9 | 1700 | 63.0 | 1600 | 4000 | GEM00020 | GEM10020 | GEM20020 | 63.5 | A | 90° |
| 1.30 | 33 | 0.59 | 15 | 70.9 | 1800 | 66.9 | 1700 | 4100 | GEM00021 | GEM10021 | GEM20021 | 61.3 | A | 90° |
| 1.30 | 33 | 0.59 | 15 | 75.6 | 1920 | 70.9 | 1800 | 4500 | GEM00022 | GEM10022 | GEM20022 | 63.5 | A | 90° |
| 1.30 | 33 | 0.59 | 15 | 83.5 | 2120 | 78.7 | 2000 | 5000 | GEM00023 | GEM10023 | GEM20023 | 63.5 | B | 90° |
| 1.30 | 33 | 0.59 | 15 | 102.4 | 2600 | 98.4 | 2500 | 6250 | GEM00024 | GEM10024 | GEM20024 | 63.5 | B | 90° |

Optional Winding Patterns

Using alternate stretching configurations to achieve distributed wattage, Tempco can easily customize Gemini series heaters to fit your application. Below are various configurations with “A” Standard for Single Ended and “B” Standard for Double Ended.

Single Ended Terminations



Double Ended Terminations

