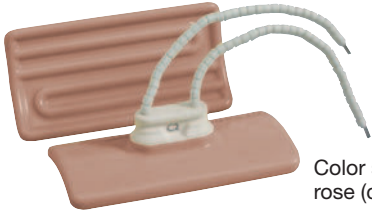


# Radiant Process Heaters



## Series CRM E-Mitters

### Series CRM Curved Face Ceramic E-Mitters – Size: 60 mm × 163 mm (2.36" × 6.42")



Color shown is  
rose (cold) to grey (hot)

#### Optional Features

- \* *Additional Power or Thermocouple Lead Lengths (page 7-23)*
- \* *Two-Piece Wave Mounting Clip (page 7-14)*
- \* *Reflectors and Other Accessories (pages 7-20 through 7-23)*
- \* *Arrays and Power/Temperature Control Panels (start on page 7-15)*

#### Standard (Non-Stock) CRM E-Mitters

E-Mitters listed have 3.50" ceramic bead insulated leads, #8-10 spade terminals, and a one-piece spring clip for mounting.

Wattage	Voltage	Color	Watt Density*		Heater Body Temp.**		Part Number	
			(W/in <sup>2</sup> )	(W/cm <sup>2</sup> )	°F	°C	Without Thermocouple	With Type K Thermocouple
425	120	Rose to Grey	27.44	4.25	1144	618	CRM10008	CRM10011
425	120	White	27.44	4.25	1144	618	CRM00008	CRM00011
500	120	Rose to Grey	32.28	5.00	1239	671	CRM10009	CRM10012
500	120	White	32.28	5.00	1239	671	CRM00009	CRM00012
600	220/240	Rose to Grey	38.74	6.00	1360	738	CRM10010	CRM10013
600	220/240	White	38.74	6.00	1360	738	CRM00010	CRM00013

### Series CRM Curved Face Ceramic E-Mitter Specifications

#### Series CRM – Size: 60 mm × 163 mm (2.36" × 6.42")

##### Watts/Square Inch vs. Temperature Data

Watts	Surface W/in <sup>2</sup> *	Heater Body °F Rise	Heater Body Temp @ 72°F**	Primary Emitted Wavelength*** (μm)
100	6.46	487	559	5.12
150	9.68	641	713	4.45
200	12.91	755	827	4.05
250	16.14	843	915	3.79
300	19.37	915	987	3.60
350	22.60	979	1051	3.45
400	25.82	1041	1113	3.32
450	29.05	1103	1175	3.19
500	32.28	1167	1239	3.07
550	35.51	1230	1302	2.96
600	38.74	1288	1360	2.87
650	41.96	1335	1407	2.79

\* **Watt density** calculated using heater face surface area.

\*\* **E-Mitter heater body temperature** as measured with internal thermocouple when mounted facedown in stock CRK reflector and operating in 72°F (22°C) room ambient.

\*\*\* **Peak infrared radiation wavelength** as calculated from Wien's Law, for operating temperature shown. Expressed in microns (μm).

**CRM Ordering Information** (See page 7-2)