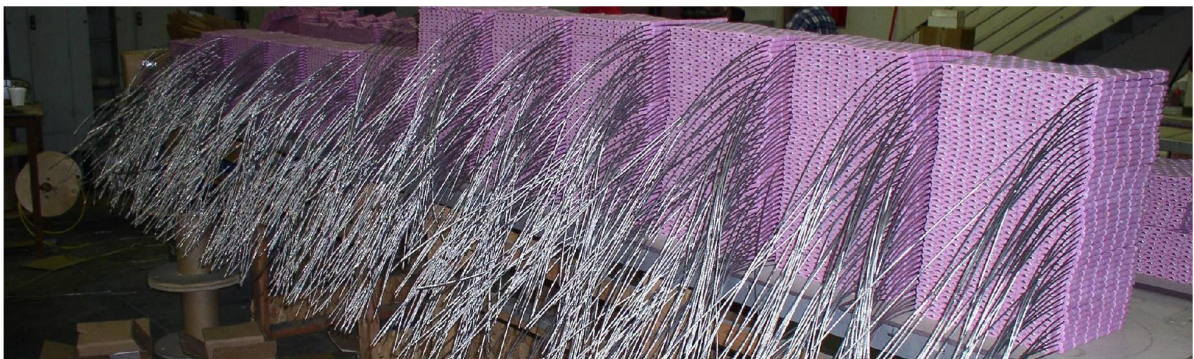


# **HOTFOIL-EHS**

***CERAMIC MAT HEATERS CMH01-80 THRU CMH72-80***



**We can manufacture up to 400 heaters a day**

## ***Hotfoil-EHS CERAMIC MAT HEATERS***

The most important feature of a resistance heater is the ability to transfer the heat away from the resistance wire to the outer covering where it can be absorbed by the work piece. Even when accurately controlled a poorly designed or poorly applied heater can cause the wire temperature to exceed the limits of endurance. Hotfoil-EHS Inc. ceramic mat heaters are designed to produce more even and efficient heat transfer while maintaining maximum flexibility.

- 1) Sintered alumina oxide is formed into shapes and fired at precise temperatures to produce a ceramic insulator with a combination of high dielectric strength and efficient, fast heat transfer. This ceramic is also solid enough to withstand physical shock and resistance to oxidation and corrosion from a broad range of chemicals and atmospheres.
  
- 2) An accurately measured length of stranded nickel-chromium wire is precisely wound through the ceramic beads ensuring electrical isolation to produce a compact and flexible resistance heater. Suitable for operation at 2000 Deg. F.
  
- 3) The resistance wire is then metallurgically bonded to a stranded nickel-copper wire to provide trouble free electrical continuity. The flexible stranded cold junction wire is connected to brass Twistlock connectors fitted with insulated sleeves. The cold junction extension leads are rated for 250°C continuous temperature.

Hotfoil-EHS features a wide range of heater configurations as well as optional resistance wire characteristics for different applications.

- **We carry Kanthal “D” heater wire which offers a slightly lower Wattage on the 80 volt heaters but allows you to go to 2400 Deg.F.**
  
- **We also carry 80/20 Nichrome wire 37 strand which is much more flexible and offers the same wattage as the standard 80/20 19 strand.**

**EHS Ceramic Mat Heaters - CMH**



STANDARD HEATERS



4/MINI BANK HEATERS



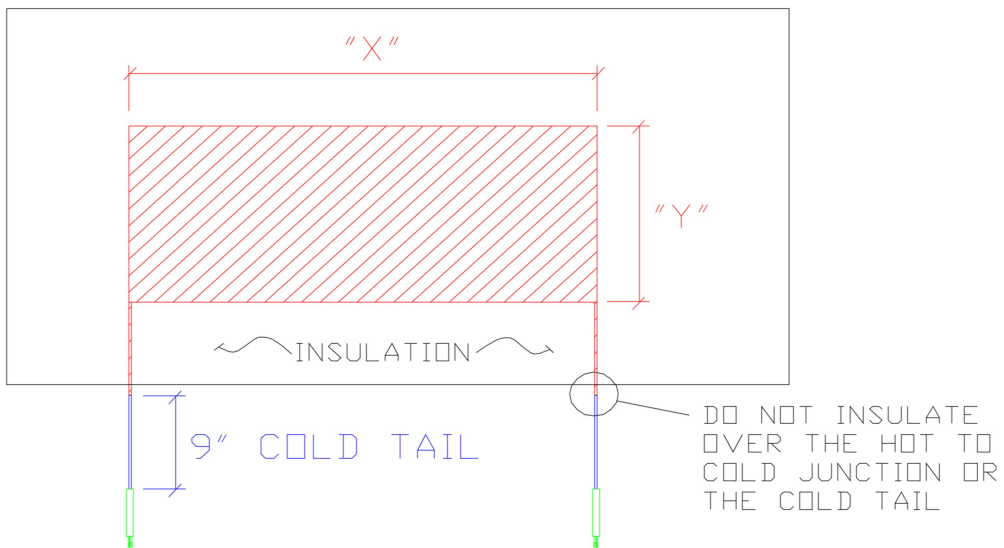
ROPE HEATERS

We manufacture 25, 30, 40, 60, 70, 80, 120, 240, 277, 300, 330, 380, 400, 440, 480, 550, 575 & 600 Volt Ceramic Mat Heaters, all made in Hamilton, NJ. USA

**We also design and manufacture special shapes and sizes to fit any application**

**We supply EHS 4-Bank Heater 13KW on 277 Volts and Mini Bank heaters**

**EHS ROPE HEATERS ARE MADE TO ORDER**



## STANDARD

### 80 VOLT HEATER CHART

PART #	REFERENCE	"X" DIM.	"Y" DIM.
27101	CMH03-80	3"	39"
27102	CMH04-80	4"	29"
27103	CMH06-80	6"	19.5"
27104	CMH08-80	8"	14.5"
27105	CMH10-80	10"	12.25"
27106	CMH12-80	12"	9.75"
27107	CMH15-80	15"	8"
27108	CMH18-80	18"	6.5"
27109	CMH21-80	21"	5.75"
27110	CMH24-80	24"	5"
27114	CMH29-80	29"	4"
27111	CMH36-80	36"	3.25"
27112	CMH72-80	72"	1.75"
27113	CMH01-80	1"	120"

## STANDARD

### 60 VOLT HEATER CHART

PART #	REFERENCE	"X" DIM.	"Y" DIM.
27301	CMH03-60	3"	28"
27302	CMH04-60	4"	21"
27303	CMH06-60	6"	14.5"
27304	CMH08-60	8"	10.5"
27305	CMH10-60	10"	9"
27306	CMH12-60	12"	7.25"
27307	CMH15-60	15"	5.75"
27308	CMH18-60	18"	5"
27309	CMH21-60	21"	4"
27310	CMH26-60	26"	3.25"
27311	CMH52-60	52"	1.75"
27312	CMH01-60	1"	84"