Features & Benefits

- Maximum watt densities; far in excess of any other type of band.
- Highest application temperatures available.
- Best possible clamping resulting in improved efficiency.
- Longest life available for any application and reduction of equipment downtime.
- High heat transfer rates and the resulting fast response.
- Rapid heat-up capabilities and no fear of heater failure.
- Reduced number and physical size of heaters required per application.
- Choose a Better Band when the temperature of the heater will exceed 650°F (343°C).
- Expandable or two-piece construction.
MINERAL INSULATED BAND HEATERS

EXAMPLE: HBA-MI-8.0X5.0-120-1100-84TA-D-BN

1. STYLE
   CODE  DESCRIPTION
   HBA-MI  Mineral Insulated Band Heater

2. INSIDE DIAMETER
   Specify in Inches or Millimeters

3. WIDTH
   Specify Width in Inches or Millimeters

4. VOLTAGE
   120V
   240V
   480V
   Specify Other

5. WATTAGE
   Specify

6. LEAD LENGTH
   Specify Length in Inches or Millimeters

7. LEAD TYPE
   CODE  DESCRIPTION
   FG  Fiberglass (482°F)
   HFG  Hi-Temp Fiberglass (932°F)
   FGS  Fiberglass (482°F) W/ Stainless Steel Braid
   HFGS  Hi-Temp Fiberglass (932°F) W/ Stainless Steel Braid
   FGA  Fiberglass W/ Armor (482°F)
   HFGA  Hi-Temp Fiberglass (932°F) W/ Armor
   T  Teflon (500°F)
   TA  Teflon With Armor (500°F)
   TB  Terminal Box

8. OPTIONS
   Refer to Page I-14
   (See I-19 For Sample Photos)
# BAND HEATERS (OPTIONS)

## TABLE 8 - MICA AND MINERAL BAND HEATER OPTIONS

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>Exit either side of the gap on thickness</td>
</tr>
<tr>
<td>C1</td>
<td>90 Degree exit with cap and tube near gap, exiting towards opening</td>
</tr>
<tr>
<td>C2</td>
<td>90 Degree cap with tube near gap, tangential</td>
</tr>
<tr>
<td>C3</td>
<td>45 Degree exit with cap and tube near gap, exiting towards opening</td>
</tr>
<tr>
<td>C5</td>
<td>90 Degree exit with cap and tube opposite gap, exiting towards opening</td>
</tr>
<tr>
<td>C6</td>
<td>90 Degree cap with tube opposite gap, tangential</td>
</tr>
<tr>
<td>C7</td>
<td>45 Degree exit with cap and tube opposite gap, exiting towards opening</td>
</tr>
<tr>
<td>D</td>
<td>Leads exiting opposite the gap</td>
</tr>
<tr>
<td>E</td>
<td>Leads exit near gap</td>
</tr>
<tr>
<td>F</td>
<td>Leads exiting either side of the gap</td>
</tr>
<tr>
<td>I</td>
<td>Leads exiting opposite gap on thickness</td>
</tr>
</tbody>
</table>

### LEADWIRE TERMINATIONS

Choose 1

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Separate on opposite sides of the gap</td>
</tr>
<tr>
<td>AV</td>
<td>Separate on opposite sides of the gap with ceramic protective covers</td>
</tr>
<tr>
<td>B1</td>
<td>Along the width side by side</td>
</tr>
<tr>
<td>B1G</td>
<td>Along the width side by side with protective terminal box</td>
</tr>
<tr>
<td>B1V</td>
<td>Along the width side by side with ceramic protective covers</td>
</tr>
<tr>
<td>B2</td>
<td>Along the length side by side</td>
</tr>
<tr>
<td>B2G</td>
<td>Along the length side by side with protective terminal box</td>
</tr>
<tr>
<td>B2V</td>
<td>Along the length side by side with ceramic protective covers</td>
</tr>
</tbody>
</table>

### SCREW TERMINAL TERMINATIONS

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>K00</td>
<td>European Plug vertical with box</td>
</tr>
<tr>
<td>K3P</td>
<td>European Plug 3 prong with ground</td>
</tr>
<tr>
<td>K4S</td>
<td>European Plug 45 degree with box</td>
</tr>
<tr>
<td>K90</td>
<td>European Plug tangential with box</td>
</tr>
</tbody>
</table>

### CLAMPING STYLES

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>BN</td>
<td>Barrel Nuts</td>
</tr>
<tr>
<td>CP</td>
<td>Clamping Pads</td>
</tr>
<tr>
<td>FL</td>
<td>Flange Lock-Up</td>
</tr>
<tr>
<td>IS</td>
<td>Independant Strap</td>
</tr>
<tr>
<td>LT</td>
<td>Latch and Trunion</td>
</tr>
<tr>
<td>LP</td>
<td>Low Profile Barrel Nuts</td>
</tr>
<tr>
<td>SB</td>
<td>Spring Loaded Barrel Nuts</td>
</tr>
<tr>
<td>WL</td>
<td>Wedge Lock</td>
</tr>
</tbody>
</table>

### CONSTRUCTION OPTIONS

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>2P</td>
<td>2 Piece construction (*note: wattage indicated in box 5 will be total wattage)</td>
</tr>
<tr>
<td>H</td>
<td>Hole (indicate inside diameter / location)</td>
</tr>
<tr>
<td>TC</td>
<td>Built in Thermocouple (specify calibration)</td>
</tr>
</tbody>
</table>

---

BAND HEATERS (OPTIONS)

LEADS NEAR GAP
Code: C

LEADS NEAR GAP (B)
Code: E

LEADS W/ CAP NEAR GAP
Code: C1

LEADS W/ 90° CAP NEAR GAP
Code: C2

LEADS W/ CAP AT ANGLE
Code: C3

LEADS OPP. GAP
Code: I
BAND HEATERS (OPTIONS)

LEADS W/ 90° CAP OPP. GAP
Code: C5

LEADS OPP. GAP
Code: D

LEADS W/ CAPP OPP. GAP AT ANGLE
Code: C7

LEADS W/ CAP OPP. GAP
Code: A

SCREW TERMINALS (A)
Code: C6

LEADS ON BOTH SIDES OF GAP
Code: F

BAND HEATERS (OPTIONS)

SCREW TERMINALS (C)
Code: B1

SCREW TERMINALS (B)
Code: B2

INDEPENDENT STRAP
Code: IS

FLANGE
Code: FL

SPOT WELDED STRAPS
Code: SS

SPRING-LOADED BARREL NUTS
Code: SB

LATCH AND TRUNION
Code: LT

BAND HEATERS (OPTIONS)

BUILT IN BARREL NUTS
Code: BN

WEDGE-LOCK
Code: WL

VERTICAL WITH BOX
Code: K00

3 PRONG WITH GROUND
Code: K3P

AT 45°
Code: K45

TANGENTIAL WITH BOX
Code: K90