

The Tutco HT Mica Band Heater offers the ultimate combination of performance and customization

HT MICA BAND HEATERS

Tutco HT Mica Bands can operate at temperatures up to 900°F (482°C) while offering a wider variety of shapes and sizes than MI Bands. HT Mica Bands can be configured to meet the demands of many special applications. Our engineers can utilize a variety of features and options to customize the heater to your specific needs.

Tutco understands that every application and process is unique, therefore the HT Mica Bands offer a very comprehensive selection of customization options.

FEATURES AND BENEFITS

- Fast high-temperature ramp rates
- Efficient temperature transfer
- Cost effective performance
- Durable long-lasting materials
- Standard one-piece band construction
- Multiple piece expandable construction per request
- Optional partial and reverse configurations are available
- Low minimum order quantities as low as 1 piece
- Expedited delivery options are available

APPLICATIONS

Accurate, quick, and durable. The Tutco HT Mica Bands build quality and durability make it an excellent choice for the plastics industry. Other common applications include heating pipes, chemical processes, fuel cell temperature control, and drum heating.

HT Mica Band Heaters

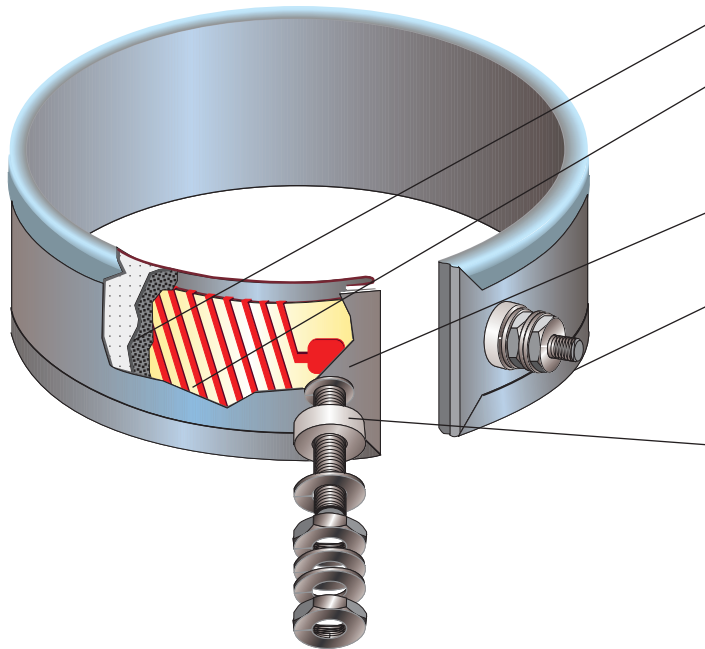
HT Mica Bands can be configured to each specific application. See some of the standard and optional features available below and configure on-line at www.tutco.com/site/band-specs.

MATERIAL AND CONSTRUCTION

- Precision engineered wound resistor element
- Low expansion clamping is standard
- Optional wire leads or screw down terminations
- High-temperature oxidation-resistant stainless steel sheath
- Connections are welded to a SS pad and properly insulated
- U.L. / C.S.A. (when specified)
- High temperature mica tape lead wire, 842° F (450° C)
- Standard wire length is 12", custom length added upon request
- Several lead wire protection options - fiberglass sleeve, SS braid, armor, armor with German plug, SS box with German plug, copper 90° elbow, and other specified pipe couplings and power plugs
- Grounding options - none, ground stud or ground wire
- Clamping options - 1 or 2 piece standard or full width strap, strap ends, bar, ear, Belleville, or spring bolt clamping

Heater ID	≤ 1.5"	> 1.5" to 2.5"	> 2.5" to 5"	> 5" to 12"	>12"
Gap Size	3/16"	1/4"	5/16"	7/16"	5/8"

* Custom gap sizes are available upon request



SPECIFICATIONS

Max Operating Temp	900°F (482°C)
Holes	Yes
Cutouts	Yes
Durability	Good

Maximum Temperature: Standard Sheath: 900°F (482°C)

Power: 45 W/in² (7 W/cm²)

Wattage Tolerance: +5% / -10%

Available Voltage: 12 to 480V, 3 Phase Optional

Maximum Amperage:

Lead-wire terminations: 10 A

Screw terminations: 8-32UNF: 20 A, 10-24UNC: 25 A

Resistance Tolerance: +10% / -5%

Wattage Tolerance: +5% / -10%

Minimum Width: 3/4" (19.1 mm)

Width Tolerance: ±1/16" (1.59 mm)

Minimum Inside Diameter: 7/8" (22.1 mm)

UL/CSA Specifications:

40 W/in² (6W/cm²) Max Watt Density

480V Max for UL/CSA

UL Standard UL499 – Electric Heating Appliances

UL File Number: E80914

UL Classification: KSOT2, KSOT8 (Components – Heaters and Heating Equipment, Miscellaneous)

FEATURES

Mica Insulation: High-quality Mica is used in all designs.

Precision Engineered Resistive Element: Tutco's heating element achieves the lowest internal temperatures possible to maximize heater life and maintain consistent temperatures.

Mica Insulation Sheet: Used to insulate the windings and provide excellent thermal heat transfer and dielectric strength.

Stainless Steel Corrosion-Resistant Sheath: Stainless Steel sheath provides physical strength, high emissivity and good thermal conductivity.

Lead-wire and Screw Termination Variations:

Reliable welded internal termination junction in both screw or lead terminals.

