

Phoenix **Thermal** Supply

Ceramic Insulated Band Heaters conserve energy by using a 1/4" thick ceramic fiber insulating blanket reducing power consumption by 25 to 30 percent. Because of the low thermal conductivity of the ceramic fiber insulation the external surface temperature of the Ceramic Band Heater is approximately 400°F while running the inside surface temperature at 1200°F. The most common applications include plastic injection molding machines, extruders, and blow molding equipment.

The flexibility of the metal housing allows the use of wider and one piece band heaters.

Ceramic Band Standard Specifications and Tolerances

Performance Ratings

Max. Temperature:	1400°F (760°C)
Nominal Watt Density:	20-45 W/in ² (3-7 W/cm ²)
Max. Watt Density:	45 W/in ²

Electrical Ratings

Max. Voltage:	w/ Screw Termination 480 VAC
Max. Recommended Voltage w/Leads	240 VAC
Max. Amperage:	lead wire termination: 10 amp (per circuit) screw terminations: 25 amp
Resistance Tolerance:	+10%, -5%
Wattage Tolerance	+5%, -10%

Physical Size Construction Limitations

Sheath Material:	Stainless Steel
Insulation Material:	Ceramic Fiber Blanket Standard Thickness: 1/4" Double Thickness: 1/2"
Overall Thickness:	Standard Insulation: 5/8" Double Insulation: 3/4"
Minimum Width:	1"
Standard Width Increments:	1/2"
Maximum Width:	Dependent upon ratio of dia. to width

Phoenix **Thermal** Supply

Width Tolerance:	1" to 3-1/2": $\pm 1/16$ " 4" to 6-1/2": $\pm 1/8$ " Over 6-1/2": $\pm 1/4$ "
Min. Diameter:	2"
Max. Diameter:	One-Piece: 21" Two-Piece: 44" Larger Sizes available in Multiple Segments - Consult one of our sales engineers: sales@ptsheat.com
Nominal Gap:	3/8", $\pm 1/8$ "