



Excellence in Design, Manufacturing & Service

Quality Manufacturing
Since 1970



CERAMIC HEATER BANDS

Four Styles to Choose From

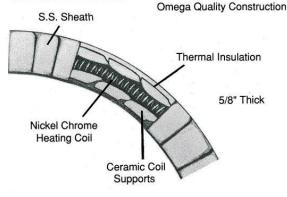
STANDARD —5/8" Thick; 1/4" Thermal Insulation; Lonq Life; Lower Energy Costs; Hi-Temp —Up to 1400°F; Easy Installation; Efficient in Wide Widths; Fewer Bands Per Installation.
"THE PREFERRED CHOICE OF O.E.M.'s"

INSULATION PLUS® —7/8" Thick; An Additional 1/4" Thermal Insulation in a Separate Channel; Total 1/2" Insulation; Energy Savings Up To 30%; Cooler Ambient Temperatures. "THE ENERGY SAVER"

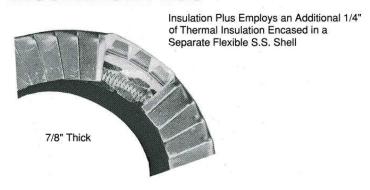
SUPER INSULATION PLUS—1 1/4" Thick; 7/8" Total Insulation Built-In; Eliminate Blankets and Insulated Shrouds or Use (Less Expensive) Uninsulated Shrouds. "MAX. ENERGY SAVINGS, MIN. SHEATH TEMPS"

ULTRA THIN LINE—Maximum 3/8" Thick; Low Mass; Quick Response For Critical High-Temp Molding Operations; Up to 1400°F and 60 Watts/Sq.In. "NEW ULTRA-THIN LINE"

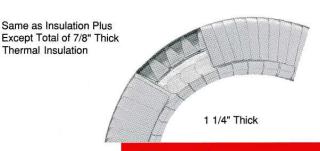
STANDARD



INSULATION PLUS®



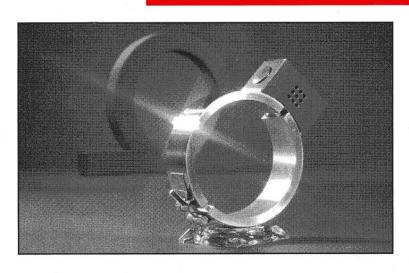
SUPER INSULATION PLUS



ULTRA-THIN LINE



ULTRALUMINUM BAND & STRIP HEATERS



These new innovative heater bands and strips feature contamination-resistant construction, low thermal mass, high watt density. The use of coils embedded in an aluminum extrusion offers unmatched flexibility of design. The result is a heater with fast response, better heat distribution, and higher watt densities without the usual problems associated with local melting of the aluminum extrusion.

MICA HEATER BANDS

BASIC CONSTRUCTIONS

BARREL NUT STRAP LEADS IN METAL BRAID exit through edge on both sides of gap.

BARREL NUT STRAP LEADS WITHOUT METAL BRAID exit through edge on both sides of gap.



BARREL NUT STRAP LEADS exit through outside surface of heater. Options A, B, D. Option "A" (Armor) is shown.



BARREL NUT STRAP LEADS exit through edge, 180 deg. from gap. This construction not recommended for bands under 2" wide. Options B, C. Option "B" (Braid) is shown.





BARREL NUT STRAF LEADS exit through edge, inside gap, one from each side of gap. Suggested for use on small diameter bands where leads are not subjected to strain or plastic droof. Option C only.



FLANGE LOCK-UP LEADS exit through edge on both sides of gap. Options B, C. This construction lable, but not recommended. Use of Type 1 or 2 is suggested.



BARREL NOT STRAP LEADS IN METAL BRAID exit through edge, both leads at same side of gap





BARREL NUT STRAP - ONE PIECE POST TERMINAL at each end of heater



BARREL NUT STRAP - TWO PIECE POST TERMINAL at each end of heater.



BARREL NUT STRAP – ONE PIECE POST TERMINALS at same end of heater This terminal arrangement suggested for bands 3" or more in width.

TYPE 11



BARREL NUT STRAP - TWO PIECE POST TERMINALS at same end of heater. This terminal arrangement suggested for bands 3" or more in width.



BARREL NUT STRAP – EXPANDABLE Options A, B, C, P. Option "P" (Post Terminal) is shown.



TYPE 13 BARREL NUT STRAP PARTIAL COVERAGE band with padded clamping straps. Options A, B, C, P. Option "P" (Post Terminal) is shown.



FLANGE LOCK-UP - ONE PIECE LEADS exit through outside surface of heater. Options A, B, C. Option "A" (Armor) is shown.



FLANGE LOCK-UP – TWO PIECE LEADS exit through outside surface of heater Options A, B, C.



TAPERED WEDGE LOCK LEADS exit through edge, Options B, C. Option "C" (Flexible Leads) is shown.

TYPE 17



FLANGE LOCK-UP - HINGED POST TERMINAL at each end of heater



FLANGE LOCK-UP - HINGED POST TERMINALS at same end of heater. Terminals are normally located near hinge - unless otherwise specified.



FLANGE LOCK-UP - HINGED LEADS exit through outside surface of band. Options A, B, C. Leads are normally located near hinge - unless otherwise specified. Option "C" is shown.

TYPE 20



FLANGED LOCK-UP - ONE PIECE

TYPE 21



FLANGED LOCK-UP - TWO PIECE

FLANGE LOCK-UP - ONE PIECE *POST TERMINALS at same end of heater

TYPE 23



FLANGE LOCK-UP - TWO PIECE *POST TERMINALS at same end of heater.



EXTENDED FLANGE WITH ELECTRICAL CONNECTIONS - ONE PIECE, Options A.



EXTENDED FLANGE WITH ELECTRICAL CONNECTIONS - TWO PIECE, Options A.



HEXAGONAL BAND HEATER Lead arrangement shown is suggested



BARREL NUT SIZES

Standard Barrel Nuts (3/8" high) are normally supplied on bands 1-1/2" I.D. and over.

Low profile Barrel Nuts (7/32" high) are normally supplied on bands under 1-1/2" I.D.

*ON FLANGED BANDS, when post terminals are specified at the same end of band, they will normally be located as follows: Bands under 2" wide- Post terminals will be placed tandem, around circumference of band. Bands 2" wide and over-Post terminals will be placed across width of band.

OPTIONAL FEATURES

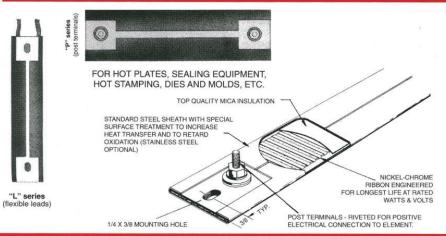
- Flexible armor (BX) installed over flexible leads.
- B Metal braid installed over flexible leads.
- C Flexible leads - asbestos and fiberglass insulated nickel or nickel clad conductor. Installed with 2" fiberglass boot.
- Low profile band, presized for slip fit by D installation of punch lock straps.
- E Terminal box.
- F Flexible armor in right angle bracket.
- G Thermocouple hole.

- H Button terminals
- Appliance pins.
- Twist lock plug installed on leads.
- Extra wide gap, specify. K
- Grounding stud.
- Dual voltage, specify.
- Stainless steel sheath.
- Low profile strap. Specify this coupon only if desired on sizes where not normally supplied.
- Post terminals

WHEN ORDERING PLEASE SPECIFY:

- 1. QUANTITY
- 2. INSIDE DIAMETER
- 3. WIDTH
- VOLTAGE on two piece bands we suggest each piece be rated at half the operating voltage. Please specify total voltage.
- WATTAGE on two piece bands please specify total 5. wattage
- BASIC CONSTRUCTION AND OPTIONS DESIRED - see below
- 7. SERIAL NUMBER if known or previously ordered.
- 8. GAP, if other then factory determined minimum.
- 9. LEAD LENGTH, if other than standard 12 inches.

STRIP HEATERS



MICA STRIP HEATERS

- Thin
- Light
- Fast Response to Temperature and Process Control
- Low Cost

BLACK STAR RADIANT CERAMIC STRIP HEATERS



FINNED STRIP HEATERS

APPLICATIONS PT-EF

Air & Gas Heating

Oven & Duct Heating

Load Banks

Space Heaters

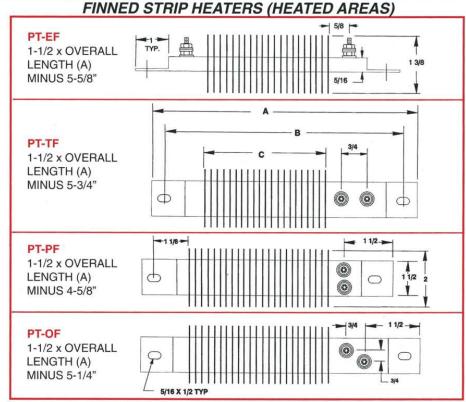
Heat Curing

Food Warmers

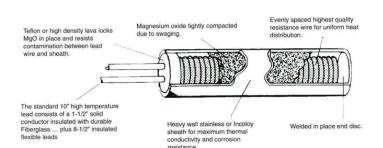
Shrink Tunnels

Moisture Protection

Ink Drying



CARTRIDGE HEATERS



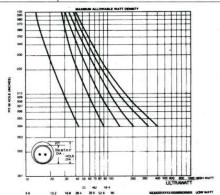
ULTRAWATT SPECIFICATIONS

NOMINAL DIAMETER	1/4	3/8	1/2	5/8	3/4
ACTUAL DIA. ± .002	.246	.371	.496	.621	.746
MAXIMUM VOLTS	250	250	277	500	500
MAXIMUM AMPS	4.2	6.3	10.5	22	22
MINIMUM WATTAGE	CONSULT OMEGA				
WATTAGE TOLERANCE	+5% -10%				
LENGTH TOLERANCE	Normal tolerance is ±2% with a minimum of ±3/32				
CAMBER TOLERANCE	± .018 per foot of length				
WATT DENSITY	SEE CHART				

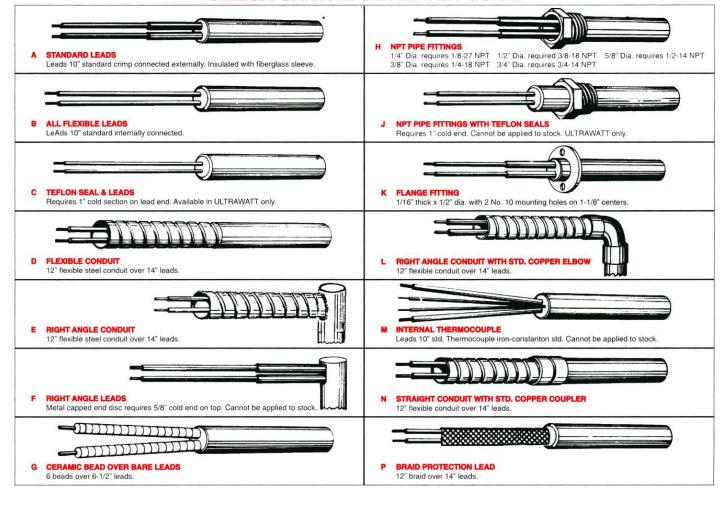
- Fast Heating
- Long Reliable Service Life
- Efficient Operation
- · Wide Range of Options

High Temperature Ultrawatt Heaters Swaged Construction High Watt Density

- Higher temperature (up to 1400 deg. F.)
- Maximum heat transfer.
- Rugged design resists shock, vibration and gives longer life than standard construction.



OMEGA CARTRIDGE HEATER GUIDE



CAST ALUMINUM AND BRONZE HEATERS

OMEGA ULTRACAST

CAST HEATERS IN ASSORTED SHAPES AND SIZES.

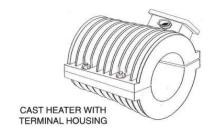
Omega cast in heaters combine top quality tubular heaters and high thermal conductivity non-ferrous alloys.

The heater elements are tested on a 100% basis before and after casting. Modern foundry techniques ensure a dense, porosity free casting.

After casting the heaters are machined to ensure a close contact on the working surface.

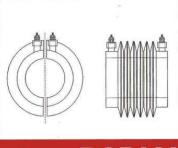
Cast in heaters can be supplied with clamping straps or with built in clamping means. Omega can supply heaters with leads in armor, post terminals, terminal housings and a variety of electrical terminations. Standard cooling tube terminations are also available.

Casting quality is maintained by periodic radiographic testing. Diagnostic radiography services are available if required.

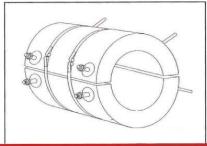


- Normal 4-6 Week Delivery
- No Set-Up or Tooling Charges

AIR COOLED



LIQUID COOLED



SPECIFICATIONS

SIZE: Any practical size and shape
WATTAGE: Aluminum - up to 35 watts/sq.

ATTAGE: Aluminum - up to 35 watts/sq. in. Bronze - up to 50 watts/sq. in.

VOLTS: 120, 240, 480 Standard

Special voltages to order

MAX. TEMPERATURE:

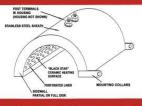
Aluminum- 700 deg. F (375 deg. C) Bronze - 1000 deg. F (650 deg. C)

MACHINING TOLERANCE:

.005" Standard

RADIANT CERAMIC ROLLER HEATERS

- Designed Specially for Hot Stamping
- Efficient / Long Life Ceramic Heaters
- Maximum Heating / Heat Transfer
- Stock or Custom

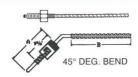


TEMPERATURE CONTROLS & THERMOCOUPLES

- Electronic & Microprocessor Based
- Standard or Custom Design Thermocouples

For Complete Data, Ask for Control or Thermocouple Catalog





PROCESS HEATERS

- Tubular & Finned Tubular
- Immersion (Pipe Thread & Flanged)
- Ceramic Elements
- Silicone Rubber
- Infrared Elements
- Air Heaters
- Space Heaters
- Mold Process Controllers
- ASK FOR FULL CATALOGS

ACCESSORIES



- Glass Sleeving
- Current Rings™
- Current Indicators
- Thermostats
- Ceramic Beads
- Flexible Armor
- Hubbel TWL Plugs
- Lead Wire
- Hi-Temp Wire
- Ring Tongue Connectors
- Electrical Tape
- High Temp. 2500° Paint

OMEGA HEATER COMPANY

2059 9th Avenue, Ronkonkoma, NY 11779 • In NY: 631-588-8820 • Fax: 631-588-8953 E-mail: omega@omegaheater.com • Website: www.omegaheater.com