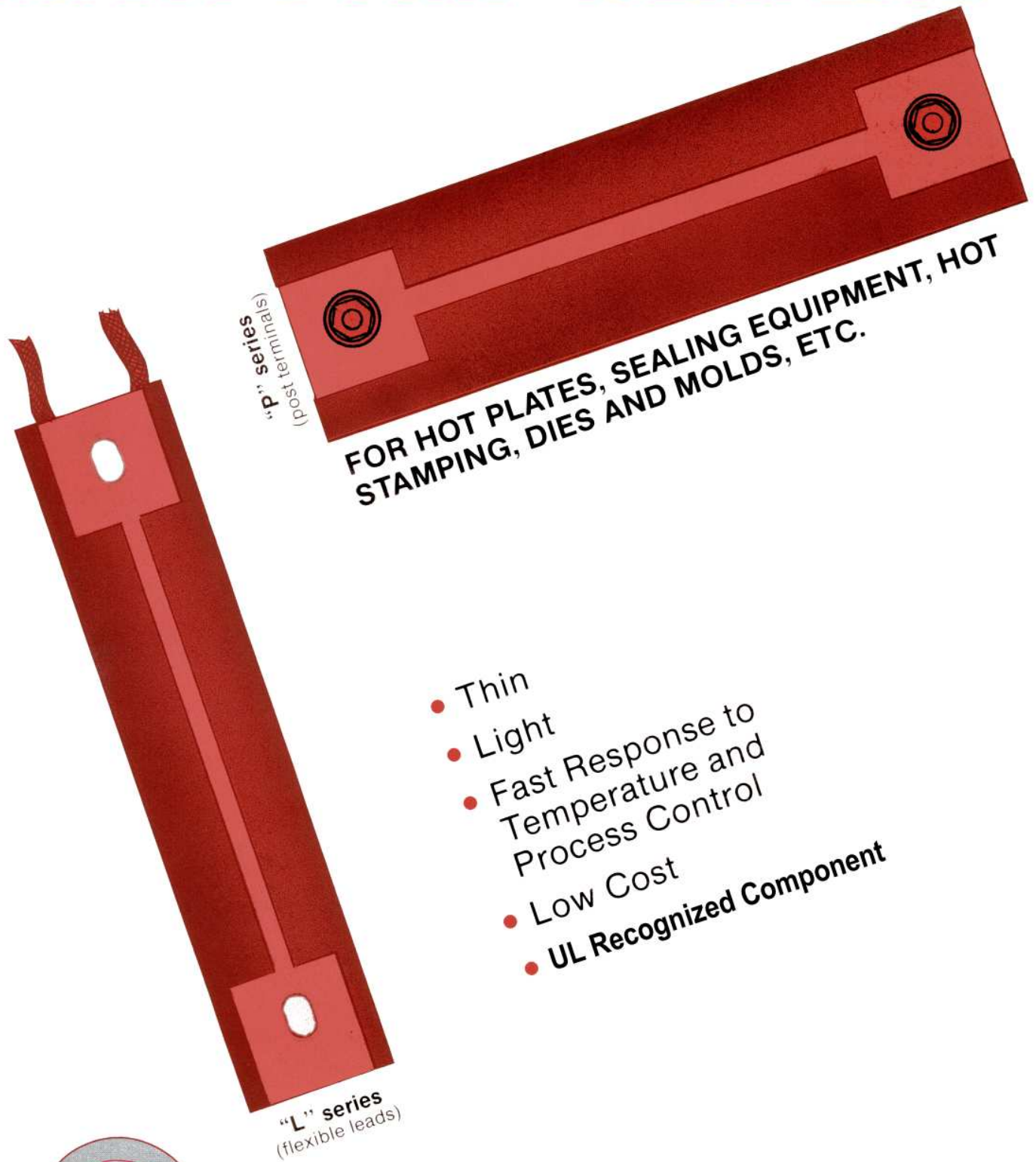


MICA STRIP HEATERS



"D" series
(rigid terminals)

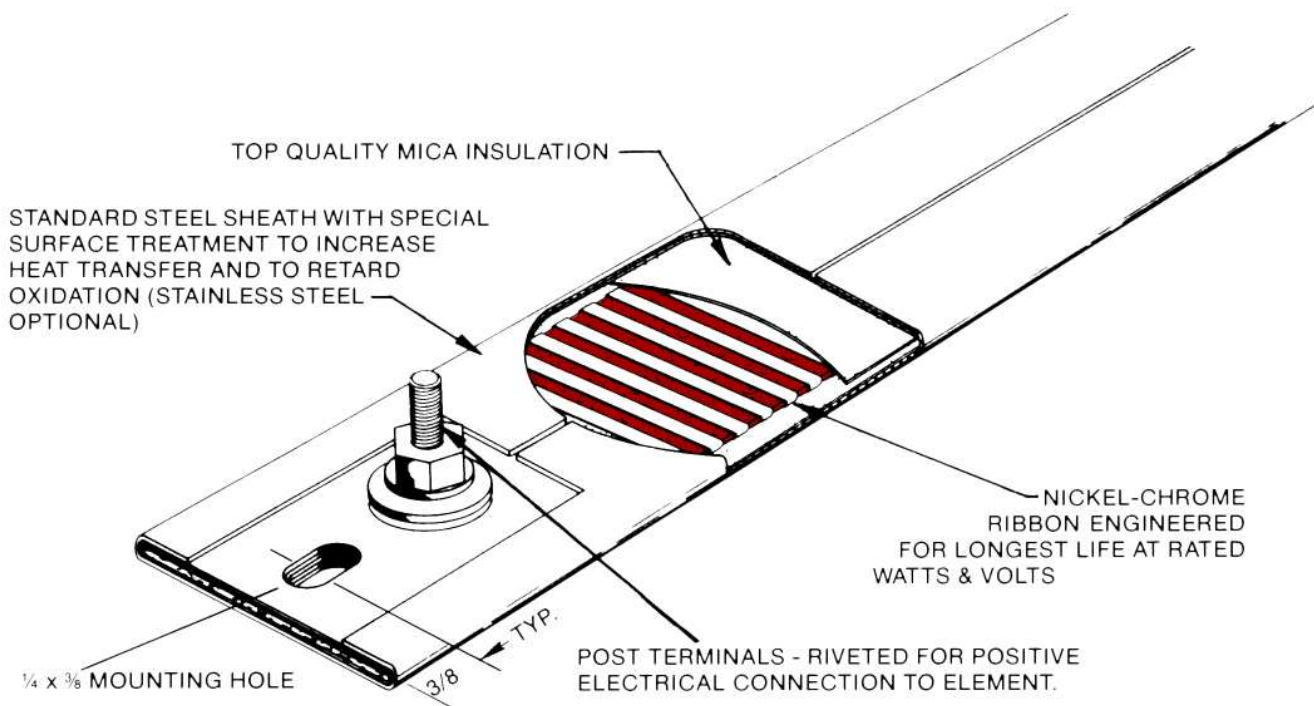
FOR HOT PLATES, SEALING EQUIPMENT, HOT STAMPING, DIES AND MOLDS, ETC.

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

"L" series
(flexible leads)



Manufacturers of Quality Heaters



Omega produces thin, efficient heaters, insulated with top quality mica. Heat from the precision wound nickel-chrome elements is transferred rapidly to your working surface for quick warm-up and response. Omega encases the mica cores in a corrosion resistant shell and forms the heaters with a butt seam for uniform thickness.

OPTIONS

- A Flexible Armor (BX) installed over flexible leads
- B Metal braid installed over flexible leads
- C Flexible leads—teflon and fiberglass insulated nickel or nickel clad conductor
- D Strain relief bracket
- E Terminal Box
- F Flexible Armor in Right Angle Bracket
- G Thermocouple or Clearance Holes
- H Button Terminals
- I Appliance Pins
- J Twist lock plug installed on leads
- K Additional thickness, specify standard thickness is 3/16"
- L Series with leads—specify option A, B or C
- M Dual voltage, specify
- N Stainless steel sheath, designed for higher sheath temperatures
- O Grounding stud
- P Series with post terminals
- R Mounting slots 1/4" x 3/8", one at each end of strip
- S Mounting slots 1/4" x 3/8", specify location
- T No mounting slots

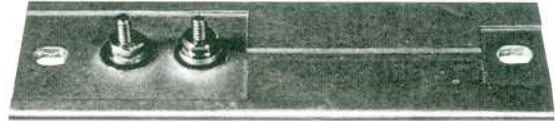


Mica Strips With Post Terminals



P1R

Post terminals at *each* end of the heater with mounting slots
Available in $\frac{3}{4}$ " widths or wider.



P2R

Post terminals at *same* end of heater with mounting slots
Tandem along the length
Available in 1" widths or wider.



P3R

Post terminals at *same* end of heater with mounting slots
At right angle to length
Available in 2" widths or wider.



P4R

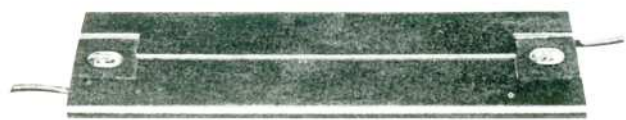
Post terminals at *same* end of heater with mounting slots
Terminals set off center along the length
Available in $1\frac{1}{2}$ " widths or wider.

Mica Strips With Leads



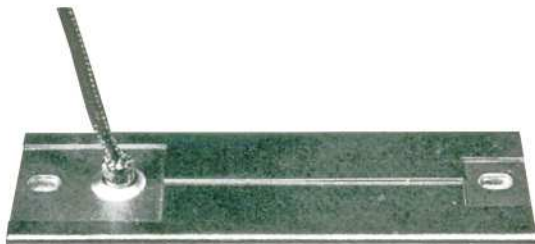
L1CR

Flexible fiberglass leads exiting heater from *same* end with mounting slots
Available in 1" widths or wider.
Option "C" shown — leadwire



L2CR

Flexible fiberglass leads exiting heater from *each* end with mounting slots
Available in $\frac{3}{4}$ " widths or wider.
Option "C" shown — leadwire



L3BR

Metal braided flexible leads exiting heater from outside top surface with mounting slots
Available in 1" widths or wider.
Option "B" shown — braid



L3AR

Flexible armor installed over fiberglass leadwire exiting heater from outside top surface with mounting slots
Available in 1" widths or wider.
Option "A" shown — armor

STANDARD SPECIFICATIONS

Length

Minimum without mounting holes	2½"
Minimum with mounting holes	3½"
Maximum	Consult Omega

Width

Minimum, Types P1R - L2CR	¾"
Minimum, Type P3R	1¾"
Maximum	Consult Omega

Thickness

Nominal	3/16"
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Sheath Temperature

Maximum, Standard units	900°F	482°C
Maximum, Stainless Steel Sheath	1200°F	650°C

Wattage

35 WATTS/sq in. RECOMMENDED MAX.

Terminals

10-24 x 7/16 POST TERM. or 12" FLEX. LEADS

Voltage

Maximum 480VAC

INSTALLATION RECOMMENDATIONS

- Mica strip heaters are available for 120 volt and for 240 volt circuits; and up to 480 volts for some sizes. Standard watt density is from 25 to 35 watts per square inch of heated area.
- Mounting slots in any desired arrangement can be provided. When ordering be sure to specify option "R," or "S." Screws that are used for mounting should be provided with lock washers and one end should be free to expand lengthwise. Use strip heaters with mounting holes only in air-heating applications, and only when necessary.
- For die and mold applications, strip heater should be firmly clamped with heavy metal strips. These should be arranged across the heater (or heaters) so that there will be bolts on each side of the strip heater. Specify no mounting slots (option "T") to obtain maximum available heating area. The reason for not using mounting slots on die or mold applications is that as the strip heater heats up it expands away from the surface to be heated, causing air gaps and poor heat transfer.
- The surface being heated must be clean and smooth for efficient heat transfer. Small air gaps caused by imperfections can cause hot spots resulting in heater failure.
- Contaminants such as oil, plastics, and dirt should not be allowed to collect on heaters, as they will find their way into the heater windings eventually carbonizing and causing failures.
- To minimize effects of contamination heaters can be closed in on four sides. Consult Factory.

NOTE: Omega is not limited to standard sizes. Consult factory for your special requirement



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