

Design Variations

Holes, Cutouts and Notches

Heaters can be designed and fabricated in many types of configurations to fit the size and shape required in your application. The holes, cutouts and notches are located per specifications. The resistance element is located within 1/8" of the edges assuring total utilization of available space as a heating surface.

- Fit your exact design requirements
- Efficient heating element placement within the predetermined perimeter



Mechanical Fasteners

For applications on cylindrical parts or where the installation is temporary, eyelets with springs or snap fasteners are utilized to mount heaters. Spring fasteners allow for variations in circumference while providing close contact with the part to be heated. Many types of fasteners used for canvas or leather can be built into the sheath of the heaters.

- Eyelet
- Snap
- Spring
- Any other fastener suitable for thin, flexible material

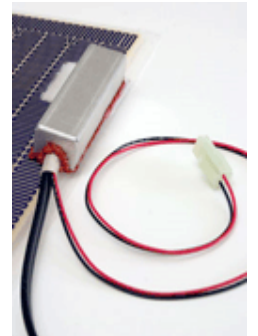


Leads

Standard leads are eight inches long, silicone rubber insulated, flexible, plated copper wire. They are UL Style 3135 rated for 200°/600 volt operation. Location of exit is centered along the narrow side of rectangular heaters.

Lead types and exit locations are adaptable to application requirements. Perimeter exit (standard) or surface exit do not present design limitations.

- Teflon®
- Silicone rubber
- Spring
- HPN type insulators



Heaters Bonded to Metal Parts

Silicone rubber can be bonded to metal parts to create complete thermal sub-assemblies. Since a perfect fit between heater and part is a vital factor in heater efficiency, customers normally supply metal parts so we can bond or vulcanize the heater to the part in our factory, and thus assure optimum contact. Temperature sensors or thermostats may be integrated into these heaters, along with provisions for temperature controllers.



Three-Dimensional Heaters

We offer 3-dimensional heaters, which can be designed and built to fit perfectly around the complex contours of your part. This results in efficient heating and lower heating costs, because there are no “dead” areas. Our designers are happy to work with you to satisfy these complex design challenges.

