

CUSTOM ENGINEERING LEVEL I

CUSTOM MODIFICATIONS

*Can Electronic Components Take
the Heat? We'll Soon See!*

A CASE IN POINT

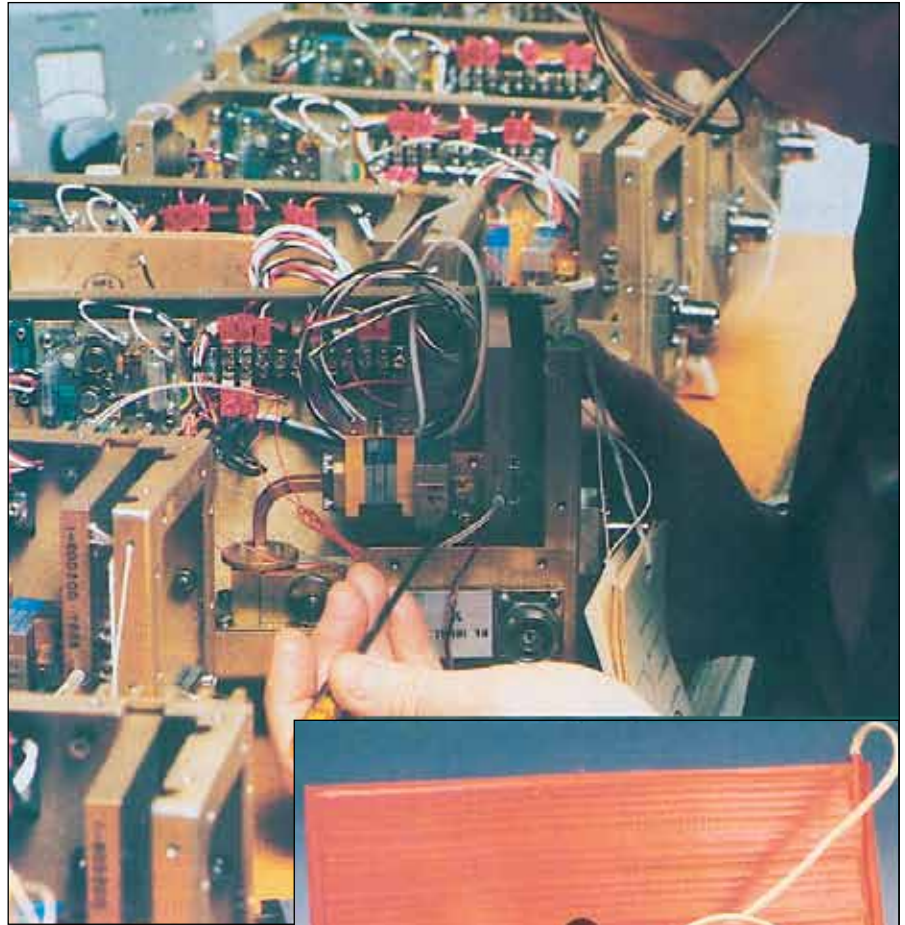
A quality control engineer working in an electronics test lab needs to heat a 305 W by 406 L x 305 mm H (12 x 16 x 12") test chamber to 49°C (120°F). Electronic components are placed inside this chamber for temperature testing.

PROBLEM

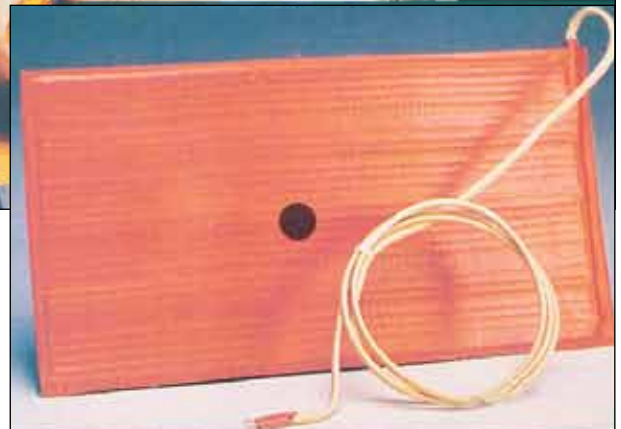
Heat must be applied to the outside surface of the chamber, since the inside must be left open for the electronic components undergoing testing. The quality control engineer at the test lab wants to apply heat to the two 305 H by 406 mm L (12 x 16") sides of the enclosure. Each of these sides has a 25 mm (1") diameter cylindrical access connection in the middle of it. The quality control engineer has not been able to find a standard heater to fit this application.

OMEGA® SOLUTION

OMEGA's heater engineers design a custom 305 H by 406 mm L (12 x 16") silicone rubber flexible heater with a 25 mm (1") diameter hole in the middle to fit over the access port on each side of the enclosure. Two heaters are required, one for each side of the chamber. Heaters are supplied with integral pressure-sensitive adhesive so that they attach easily to the outside surface of the test chamber.



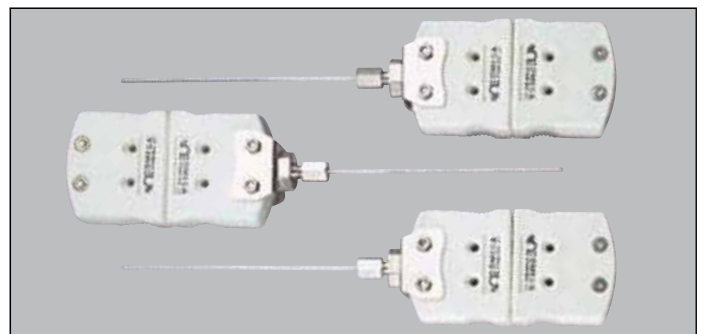
A Standard SSHB Series Silicone Rubber Heating Blanket Is Modified to a 305 x 406 mm (12 x 16") Size with a 25 mm (1") Diameter Access Hole in the Center for This Electronics Test Application



Other Examples of Custom Modifications...



The Plastic Junction Box Neatly Terminates This 14-Position Profile Probe



For Fast Response, RTD Probes Can Be Constructed with 1/8" Diameter Sheaths (Miniature Connectors Available)