Temperature Sensors for 8'TPT BLF9 Model

A array of 18 temperature sensors was fabricated from a 7 microinch thick layer of nickel deposited on 0.002 inch thick layer of polyimide film. The sensors were 0.002" wide X 0.500 " long approximately 110 Ohms and of a convoluted shape with 4-wire connections. The copper leads were approximately 100 microinches thick. The array was fabricated in two pieces and attached to the model using a .002" thick acrylic dry transfer film adhesive.

Microelectronics and Sensor Development Section
Fabrication Division