Abstracts

Liquid Crystal Fiberoptic Temperature Probe for the Measurement of Electromagnetic Power Absorption in Tissue

C.C. Johnson, C.H. Durney and J.L. Lords. "Liquid Crystal Fiberoptic Temperature Probe for the Measurement of Electromagnetic Power Absorption in Tissue." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 32-34.

A temperature probe has been constructed which uses liquid crystals as a temperature-sensitive sensor and fiberoptic to transmit light to and from the sensor. Since the probe is completely nonmetallic, it is ideal for making temperature measurements in tissue subjected to electromagnetic radiation. The probe can measure temperature differences to within 0.1°C accuracy.

❑ Return to main document.