

# Abstracts

## A two-mode dielectric rod resonator method for measuring surface impedance of high-T<sub>sub</sub> c/ superconductors

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*Y. Kobayashi and H. Yoshikawa. "A two-mode dielectric rod resonator method for measuring surface impedance of high-T<sub>sub</sub> c/ superconductors." 1998 MTT-S International Microwave Symposium Digest 98.2 (1998 Vol. II [MWSYM]): 1019-1022.*

A novel technique is proposed to measure the surface impedance  $Z_{\text{sub s}}$  of high-T<sub>sub</sub> c/ superconductors at microwave frequency by using two resonant modes in a dielectric rod resonator, the TE<sub>021</sub> and TE<sub>012</sub> modes. The repeatability of measurement is superior to the conventional method using two dielectric resonators.

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