

Abstracts

Measurement of the Complex Dielectric Constant of Casting Resins at Millimeter Wavelengths Low-Loss

F.I. Shimabukuro and S. Lazar. "Measurement of the Complex Dielectric Constant of Casting Resins at Millimeter Wavelengths Low-Loss." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 520-521.

A quasi-optical method for measuring the complex dielectric constant of materials is described. The determination is derived from measurements of the transmission of a perpendicularly polarized wave through a dielectric slab at different angles of incidence. The complex permittivities of various low-loss casting resins have been measured using this method.

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