

Abstracts

Microstrip resonator technique for non-destructive moisture/permittivity measurement

K.K. Joshi and R.D. Pollard. "Microstrip resonator technique for non-destructive moisture/permittivity measurement." 1999 MTT-S International Microwave Symposium Digest 99.4 (1999 Vol. IV [MWSYM]): 1863-1866 vol.4.

An accurate, instantaneous and nondestructive microstrip resonator technique for measurement of complex permittivity and moisture of materials has been set up. The resonant frequency and the quality factor of microstrip resonator are measured. Complex permittivity/moisture of the material under test is determined with the help of spectral domain analysis of multi-layer microstrips embedded in dielectric cover.

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