

Abstracts

Dielectric Resonator HE_{11delta+1} Mode Coupling to a Shielded Microstrip Line.

A.P.S. Khanna, Y. Garault and M. Guedira. "Dielectric Resonator HE_{11delta+1} Mode Coupling to a Shielded Microstrip Line.." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 527-529.

A configuration is presented to effectively couple a dielectric resonator to a microstrip line using the HE_{11delta+1} mode. For this mode, the resonator acts as a magnetic dipole perpendicular to the resonator axis. The f₀/Q₀ product is improved by about 50 % compared to TE_{01delta} mode.

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