

Abstracts

Collinearly Excited Edge Coupled Resonators

K.W. Reed, A.K. Reddy and W.A. Davis. "Collinearly Excited Edge Coupled Resonators." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 519-522.

A magnetostatic surface wave resonator using adjacent microstrip transducers edge coupled to a rectangular YIG film cavity has been built and evaluated. Loaded Qs higher than 1000 were obtained with resonant insertion losses as low as 8 dB. Sidelobe suppression exceeded 12 dB, yielding a usable tunability spanning 3 to 5 GHz.

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