

Abstracts

A Mode Chart for Accurate Design of Cylindrical Dielectric Resonators (Correspondence)

D.L. Rebsch, D.C. Webb, R.A. Moore and J.D. Cowlshaw. "A Mode Chart for Accurate Design of Cylindrical Dielectric Resonators (Correspondence)." 1965 Transactions on Microwave Theory and Techniques 13.4 (Jul. 1965 [T-MTT]): 468-469.

Awareness of dielectric resonators as useful microwave circuitry elements is indicated by a number of recent publications. Using intermediate and high dielectric constant materials of low loss, the resonators can provide a convenient means of miniaturization and field concentration. The work reported here was motivated by the need for resonators having dielectric constants of 13 to 16 to provide field concentration in ferrite crystals at 74 Gc.

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