

Abstracts

A Dielectric Resonator Bandstop Filter

P. Guillon, S. Mekerta and Y. Garault. "A Dielectric Resonator Bandstop Filter." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 170-173.

This paper presents a new analysis predicting accurately the external quality factor and scattering matrix parameters S_{ij} of the TE_{01p} cylindrical resonator mode, coupled with a microstrip line for arbitrary locations of the resonator and the line. The results obtained are used to realize a Tchebyscheff bandstop filter. Experimental and theoretical results are also included.

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