

Abstracts

TE₀₁₁ Mode Sectorial Circular Cylindrical Cavities Filters (Jul. 1980 [T-MTT])

P.R. Karmel. "TE₀₁₁ Mode Sectorial Circular Cylindrical Cavities Filters (Jul. 1980 [T-MTT])." 1980 *Transactions on Microwave Theory and Techniques* 28.7 (Jul. 1980 [T-MTT]): 695-699.

This paper presents a new cavity resonator for the TE₀₁₁ circular mode which allows a compact mechanical structure for a multiple-cavity filter and retains many electrical characteristics of larger filters. Theoretical values of Q are obtained, mode separation is demonstrated, and a 4-cavity experimental model with an elliptic transfer function is described.

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