

Abstracts

A TE Triple-Mode Filter

R.R. Bonetti and A.E. Williams. "A TE Triple-Mode Filter." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 511-514.

A novel realization of triple-mode filters using only TE mode degeneracies is presented. This approach compares favorably with previous designs that employ mixed TE-TM modes.

Experimental results obtained with a prototype six-pole, 11.9-GHz, quasi-elliptic, 30-MHz bandpass filter designed at the degeneracy of the TE₁₁₄ and TE₃₁₂ modes are shown to agree well with theory.

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