

# Abstracts

## TE<sub>011</sub> Mode Sectorial Circular Cylindrical Cavity Filters (1979 [MWSYM])

P.R. Karmel. "TE<sub>011</sub> Mode Sectorial Circular Cylindrical Cavity Filters (1979 [MWSYM])." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 269-271.

This paper presents a new cavity resonator for the TE<sub>011</sub> circular mode which allows a compact mechanical structure for a multiple-cavity filter while retaining many of the 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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