

Abstracts

A Ku-Band Contiguous Multiplexer Employing Low-Loss, Odd-Order, Mixed Dual-Triple Mode Cavity Filters

M. Pley and W.C. Tang. "A Ku-Band Contiguous Multiplexer Employing Low-Loss, Odd-Order, Mixed Dual-Triple Mode Cavity Filters." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 346-348.

A Ku-band, 3-channel contiguous multiplexer has been developed using 5-pole quazi-elliptic function filters. The channel filters are realized as a cascade of dual- and triple-mode cavities operating in the higher order TE/sub 113/ and TM/sub 012/ resonant modes. Measured data from the triplexer correlates well with theory.

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