

Two-Cavity Ring-Type Channel-Dropping Filters for a Millimeter-Wave Guided Wave Communication System (Correspondence)

I. Ootomo, S. Shimada and N. Suzuki. "Two-Cavity Ring-Type Channel-Dropping Filters for a Millimeter-Wave Guided Wave Communication System (Correspondence)." 1971 Transactions on Microwave Theory and Techniques 19.5 (May 1971 [T-MTT]): 481-484.

Newly developed two-cavity ring-type filters for a millimeter-wave communication system are described. They are used in a five-channel transmit and receive multiplexer which operates in the 50-GHz frequency band. The pulse response and interchannel crosstalk characteristics for 250-Mbit PCM-AM or PCM-PSK transmission were calculated and compared with experimental results.

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