

Abstracts

A New Multiplexing Principle

U. Rosenberg. "A New Multiplexing Principle." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. I [MWSYM]): 203-206.

A newmultiplexing principle is introduced based on common multimode cavities (CMC) which resonances are excited at dedicated channel frequencies. This method provides conspicuous advantages, especially in combination with degenerate cavities. The principle is explained and experimentally verified by a diplexer design using one CMC with TE_{112} and TM_{110} resonances.

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