

Abstracts

Low-Loss Quasi-Optical Open Resonator Filters

J.C. McCleary and K. Chang. "Low-Loss Quasi-Optical Open Resonator Filters." 1991 MTT-S International Microwave Symposium Digest 91.1 (1991 Vol. I [MWSYM]): 313-316.

A novel and efficient coupling method has been devised for the design of a low-loss quasi-optical open resonator filter. The method uses a narrow slot opening in the coupling waveguide. An insertion loss of less than 1 dB was achieved for the passband. The filters should have applications in many millimeter-wave and submillimeter-wave systems.

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