

Attenuation and power-handling capabilities of generalized ridge waveguides

Yu Rong and K.A. Zaki. "Attenuation and power-handling capabilities of generalized ridge waveguides." 1998 MTT-S International Microwave Symposium Digest 98.1 (1998 Vol. 1 [MWSYM]): 237-240.

The generalized ridge waveguides are analyzed using mode matching method. The attenuation, cutoff frequencies, and power-handling capability characteristics in antipodal ridge waveguides, ridge-trough waveguides and cross finger double ridge waveguides are presented. Numerical results are obtained which are useful in design of microwave components and subsystems.

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