

Abstracts

Phase Stable Ridged Waveguide

E. Kramer. "Phase Stable Ridged Waveguide." 1970 G-MTT International Microwave Symposium Digest of Technical Papers 70.1 (1970 [MWSYM]): 252-256.

A method for designing a ridged waveguide transmission line so that its phase shift will be insensitive to temperature changes has been devised. Design equations and curves for choosing the ridge dimensions are presented, as well as curves of the guide attenuation and the compensation bandwidth. Experimental verification of the compensation effect by means of a resonant ridged waveguide cavity is shown.

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