

Abstracts

Ideal W.G. to Coax Transitions Using a F.B.M. Monopole

F.C. de Ronde. "Ideal W.G. to Coax Transitions Using a F.B.M. Monopole." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 591-594.

A w.g.- coax probe transition is in fact a monopole in a waveguide. We can match this, without tuning screws, over the full w.g. band for all types of w.g.: radial circular TM/sub 01/, rectangular, single or double ridge and trough guide. Ideal rect. w.g. to coax transitions, right angle-, as well as end launch ones, have been realised: V.S.W.R. ≤ 1.02 for X-band with beadless coax connectors.

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