

Abstracts

An E-Plane Coupled Matched Waveguide 5-Port for Making 6-Port Measurements Over a Full Waveguide Band

G.P. Riblet. "An E-Plane Coupled Matched Waveguide 5-Port for Making 6-Port Measurements Over a Full Waveguide Band." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 372-374.

Recently, it has been shown that an ideal 6-port network consists of a perfect directional coupler and a matched reciprocal five port. In this paper an E-plane coupled waveguide five port which is well matched over an entire waveguide band will be described and its use for making 6-port measurements demonstrated over the Ku band 12.5 - 18.0 GHz.

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