

Abstracts

Design and Performance of a Wideband Multilayer Feed Network

M.D. Abouzahra. "Design and Performance of a Wideband Multilayer Feed Network." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 143-146.

This paper describes the design and construction of a novel, high performance broadband, stripline, 8x8 port feed network. Hybrid ring couplers with improved performance are used as building blocks. The division of the circuit into two stackable even-mode and odd-mode subcircuits has greatly simplified the realization and the testing of the feed network. Experimental results for various phase modes are presented.

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