

Abstracts

Transmit/Receive Modules for 6 to 18 GHz Multifunction Arrays

M. Priolo, G. St. Onge, W. Coughlin, III, J. Bugeau and D. Meharry. "Transmit/Receive Modules for 6 to 18 GHz Multifunction Arrays." 1990 MTT-S International Microwave Symposium Digest 90.3 (1990 Vol. III [MWSYM]): 1227-1230.

A high density, complex MMIC Transmit/Receive module is presented with applications for 6 to 18 GHz multifunction phased arrays. It features a dual polarization, high dynamic range architecture, a state-of-the-art family of MMIC chips (269 mm² total GaAs area), and advanced MMIC packaging techniques. Modules will be demonstrated in a broadband subarray.

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