

Abstracts

Satellite L-Band Output Multiplexer Utilizing Single and Dual Mode Dielectric Resonators

S.J. Fiedziuszko, D. Doust and S. Holme. "Satellite L-Band Output Multiplexer Utilizing Single and Dual Mode Dielectric Resonators." 1989 MTT-S International Microwave Symposium Digest 89.2 (1989 Vol. II [MWSYM]): 683-686.

A four-channel, contiguous band output multiplexer for L-band satellite applications is described. The filters feature single and dual mode dielectric resonators and operate at power levels up to 13 Watts in vacuum. The design of the multiplexer was optimized to meet different requirements for each of the filters. Excellent electrical performance in a relatively small package was obtained by use of high performance dielectric resonators and a coaxial line combiner.

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