

Abstracts

Design of Hybrid-Coupled Multiplexer and Diplexers Using Asymmetrical Superconducting Filters

R.R. Mansour, F. Rammo and V. Dokas. "Design of Hybrid-Coupled Multiplexer and Diplexers Using Asymmetrical Superconducting Filters." 1993 MTT-S International Microwave Symposium Digest 93.3 (1993 Vol. III [MWSYM]): 1281-1284.

This paper demonstrates the feasibility of building high temperature superconducting hybrid-coupled multiplexer and diplexers employing filters with asymmetrical frequency characteristics. The design of pseudo-interdigital filters with improved skirt performance is discussed. Experimental and theoretical results are presented for superconducting filters, hybrids and a fully integrated C-band diplexer.

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