

Abstracts

Design of High Power Superconductive Output Multiplexer

R.R. Mansour, B. Jolley, V. Dokas, S. Ye and F. Thomson. "Design of High Power Superconductive Output Multiplexer." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1485-1488.

This paper presents experimental results for a fully integrated high temperature superconductive manifold-coupled output multiplexer. The high power test results indicate that the superconductive multiplexer is capable of meeting the power handling requirements of typical C-band satellite programs. Design considerations related to the implementation and design of high power superconductive multiplexers are discussed in detail.

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