

# Abstracts

## A Numerically Optimized Contiguous Diplexer

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*R.L. Mole. "A Numerically Optimized Contiguous Diplexer." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 285-286.*

A contiguous diplexer is designed using a numerical optimization technique to meet the critical performance requirements of a spacecraft communication system. The diplexer consists of two, 3 section, bridge-coupled, singly terminated filters. The diplexer is realized in a coaxial structure whose measured performance is in good agreement with the predicted response.

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