

# Abstracts

## Triple mode filters with coaxial excitation

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*G. Gerini, F.D. Bustamante and M. Guglielmi. "Triple mode filters with coaxial excitation." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1763-1766.*

In this paper we describe triple mode filters in a square waveguide with integrated coaxial input/output excitation. An important feature of the structure proposed is that it is easily amenable to an accurate full wave analysis. In addition to theory, a practical six pole filter with two transmission zeros is also demonstrated.

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