

Abstracts

An 18-40 GHz Double Balanced Microstrip Mixer

M.A. Smith and A.M. Pavio. "An 18-40 GHz Double Balanced Microstrip Mixer." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 379-380.

An analytical design approach has been used to develop a broadband planar mixer for continuous operation in K- and Ka-bands. The double balanced design, fabricated on fused quartz, exhibits excellent conversion loss and isolation characteristics, and can be used with either coaxial RF connectors (K-Connector) or integrated directly with other planar components.

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