

Abstracts

Low-Noise Microstrip Mixer on a Plastic Substrate (Correspondence)

B.R. Hallford. "Low-Noise Microstrip Mixer on a Plastic Substrate (Correspondence)." 1970 Transactions on Microwave Theory and Techniques 18.12 (Dec. 1970 [T-MTT] (1970 Symposium Issue)): 1178-1181.

Design information is given for microstrip on a thin sheet of polyolefin that is reinforced with aluminum. A balanced 6-GHz-mixer-70-MHz-preamplifier design on this material is described. A single sideband noise figure less than 6 dB is obtained over the operating frequency range with no tuning adjustments.

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