

Abstracts

A Broadband Dielectric Diplexer Using a Snaked Strip-Line

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A diplexer comprised of a snaked strip-line low-pass filter and a dielectric band-pass filter was developed. Sharper cutoff characteristics of the low-pass filter permit reduction of the element number. In addition, the filters are miniaturized by use of high-permittivity dielectric. A 1GHz-band diplexer with dimensions 12mmx50mmx50mm was fabricated.

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