

# Abstracts

## Broadband Integrated Up and Down Converters

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*D.W. Maki, J.E. Degenford and M. Cohn. "Broadband Integrated Up and Down Converters." 1973 G-MTT International Microwave Symposium Digest of Technical Papers 73.1 (1973 [MWSYM]): 304-305.*

In a 1.6 cubic inch volume, each of these units combines an up converter, down converter, LO power divider and numerous filters. Utilizing both upper and lower frequency passbands, these two units provide nearly continuous coverage of the 5.9 to 16.5 GHz range with combined down conversion and up conversion loss of 14 to 18 dB.

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