

# Abstracts

## Tapered Corrugated Waveguide Low-Pass Filters

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R. Levy. "Tapered Corrugated Waveguide Low-Pass Filters." 1973 *Transactions on Microwave Theory and Techniques* 21.8 (Aug. 1973 [T-MTT]): 526-532.

Several new synthesis techniques are described for the design of tapered corrugated waveguide low-pass filters. Previous techniques are based on image-parameter methods which are both nonoptimum and difficult to apply to new specifications. The new synthesis methods give filters which can be constructed to work directly from dimensions generated by a computer. The impedance tapering implies that the terminating impedance transformers used in the image-parameter designs may be either eliminated or reduced in length.

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