

Abstracts

Postscript to Two Papers on Waffle-Iron Filters (Correspondence)

L. Young. "Postscript to Two Papers on Waffle-Iron Filters (Correspondence)." 1963
Transactions on Microwave Theory and Techniques 11.6 (Nov. 1963 [T-MTT]): 555-557.

Waffle-iron filters are waveguide "low-pass" filters, that is, they have a wide stop band above their pass band. They are useful for both low-power and high-power applications. A brief history of the development of this filter at Stanford Research Institute is given by Young and Schiffman. A new design principle which makes it possible to extend the pass band from (typically) about 10 per cent to about 40 per cent is also described; the pass band of that filter covers almost the whole of the recommended waveguide band, while its stop band extends from the second to the fourth harmonic, inclusive.

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