

Abstracts

The Digital Elliptic Filter--A Compact Sharp-Cutoff Design for Wide Bandstop or Bandpass Requirements

M.C. Horton and R.J. Wenzel. "The Digital Elliptic Filter--A Compact Sharp-Cutoff Design for Wide Bandstop or Bandpass Requirements." 1967 Transactions on Microwave Theory and Techniques 15.5 (May 1967 [T-MTT]): 307-314.

Detailed design procedures are presented for a practical elliptic-function filter form capable of achieving high selectivity in a very compact configuration. This filter form, called the digital elliptic because of its digital construction and elliptic function response, can provide either bandpass or bandstop characteristics. Examples are given to illustrate typical design procedures for both bandpass and bandstop applications. Experimental results are presented for an octave bandstop design.

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