

# Abstracts

## A Class of Equiripple Functions which Complement the Achieser (or Zolotarev) Polynomials (Correspondence)

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*H.J. Riblet. "A Class of Equiripple Functions which Complement the Achieser (or Zolotarev) Polynomials (Correspondence)." 1971 Transactions on Microwave Theory and Techniques 19.11 (Nov. 1971 [T-MTT]): 891-892.*

A symmetrical cascade of  $N$  commensurate transmission lines having equal ripple performance over a passband centered at the quarter-wavelength frequency may be synthesized using Achieser (or Zolotarev) polynomials for  $N$  odd. This correspondence identifies the solution of the case where  $N$  is even, and a new class of functions which complement these polynomials is identified.

 [Return to main document.](#)