

Abstracts

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

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.

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