

Abstracts

Synthesis of Distributed Elliptic-Function Filters from Lumped-Constant Prototypes (1966 [MWSYM])

R. Levy and I. Whiteley. "Synthesis of Distributed Elliptic-Function Filters from Lumped-Constant Prototypes (1966 [MWSYM])." 1966 G-MTT International Microwave Symposium Digest 66.1 (1966 [MWSYM]): 83-89.

Filters based on the elliptic-function or Cauer-parameter type of response give rapid cut-off compared with filter responses of Chebychev or Butterworth types which have no attenuation poles at finite frequencies. The response of a distributed band-stop filter consisting of commensurate lengths of transmission line, based on a two-pole lumped element prototype, is shown in Fig. 1 as an example of the type of response desired.

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