

Abstracts

On Incidental Dissipation in High-Pass and Band-Stop Filters (Correspondence)

R.C. Smythe. "On Incidental Dissipation in High-Pass and Band-Stop Filters (Correspondence)." 1966 Transactions on Microwave Theory and Techniques 14.4 (Apr. 1966 [T-MTT]): 208-209.

For narrow-band microwave band-stop filters, Young, et al. have obtained valuable expressions for the effects of incidental dissipation. The purpose of this correspondence is to remark that for the uniformly dissipative (i.e., equal Q) case, the response of the lossy low-pass prototype (and hence, the response of the lossy band-stop filter) may be obtained from the lossless response by means of the frequency transformation.

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