Abstracts

Discontinuity Effects in Single Resonator Traveling Wave Filters (Correspondence)

R.D. Standley and A.C. Todd. "Discontinuity Effects in Single Resonator Traveling Wave Filters (Correspondence)." 1963 Transactions on Microwave Theory and Techniques 11.6 (Nov. 1963 [T-MTT]): 551-552.

In a previous correspondence the exact frequency response of the single resonator traveling wave directional filter was presented assuming that all transmission lines had characteristic impedances equal to the terminating impedance of the network. The purpose of this correspondence is to extend the previous work to take into account the case where the transmission lines connecting the parallel coupled lines have an arbitrary characteristic impedance Z/sub I/. The resulting structure is shown in Fig. 1.

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