Abstracts

Synthesis of Particular Unit Real Functions of Reflection Coefficient (Apr. 1967 [T-MTT])

C.S. Gledhill. "Synthesis of Particular Unit Real Functions of Reflection Coefficient (Apr. 1967 [T-MTT])." 1967 Transactions on Microwave Theory and Techniques 15.4 (Apr. 1967 [T-MTT]): 267-268.

Physically realizable input reflection coefficients of circuits consisting of commensurable lossless transmission lines and resistors have been described in terms of the parameter z = e/sup -1[f/(f/sub 0/) mu/ where f is frequency and f/sub 0/ the frequency at which a line is a quarter-wavelength long, resulting in a function of z, rho(z), introduced in Young and there called unit real (ur) functions. Later, the definition of ur functions was extended, and a test procedure was given for them.

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