Abstracts

Tables of Impedance Matching Networks Which Approximate Prescribed Attenuation Versus Frequency Slopes

O. Pitzalis, Jr. and R.A. Gilson. "Tables of Impedance Matching Networks Which Approximate Prescribed Attenuation Versus Frequency Slopes." 1971 Transactions on Microwave Theory and Techniques 19.4 (Apr. 1971 [T-MTT]): 381-386.

Tables of normalized lumped lossless two-section impedance matching networks, which closely approximate -4, -5, and -6 dB per octave attenuation versus frequency characteristics are provided. Impedance transformation ratios vary from 20:1 to 100:1. Bandwidths range from 30 to 67 percent. The networks are particularly suited to broad-banding of RF power transistor stages. Measured performance of a 12-W, 225-400-MHz transistor stage illustrates application of the designs.

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