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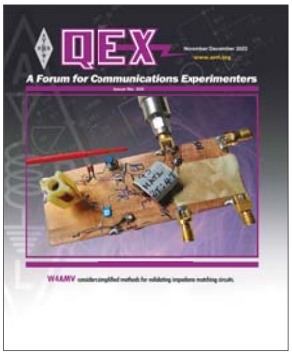
About the Cover



Alan Victor, W4AMV, reviews impedance transforming or matching circuits, and provides various Q definitions used in designing and evaluating these circuits. Distinguishing the operating Q and the design Q reduces the confusion between design and measurement results. W4AMV provides a method of finding the operating parameters of an impedance matching or impedance transformation circuit. A simple single-port measurement is completed using an antenna analyzer, a directional coupler or SWR bridge, an RF signal generator with scope, a spectrum analyzer, a noise bridge, or a VNA. The single one port measurement returns the quality of the match and the operating bandwidth. Alternative approaches are possible if the terminations are not standard values.

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