

Abstracts

Quarter-Wave Compensation of Resonant Discontinuities (Correspondence)

C.E. Muehe, Jr.. "Quarter-Wave Compensation of Resonant Discontinuities (Correspondence)." 1959 Transactions on Microwave Theory and Techniques 7.2 (Apr. 1959 [T-MTT]): 296-297.

In designing RF transmission line components it is often necessary to place a short-circuited quarter-wavelength stub in parallel with the line or an open-circuited quarter-wavelength stub in series with the line. The stub can be broadbanded by merely changing the characteristic impedance of the line on either side of the stub for a distance of one quarter wavelength.

 [Return to main document.](#)