Abstracts

Broad-Band Coaxial-to-Stripline Transitions (Correspondence)

J.R. Pyle. "Broad-Band Coaxial-to-Stripline Transitions (Correspondence)." 1964 Transactions on Microwave Theory and Techniques 12.3 (May 1964 [T-MTT]): 364-365.

Butt transitions between coaxial line and shielded stripline are simple and economical to manufacture. Levy has pointed out that such transitions are not properly matched because the fringing field of the stripline is intercepted by the outer conductor of the coaxial line, and in addition the inner conductors of the two lines have different dimensions. His broad-band coaxial-to-stripline transition requires a tapered length of rectangular coaxial line and he deduced that the VSWR of this system is less than 1.02 up to 11 kMc.

❑ Return to main document.