

Abstracts

A Wideband Coaxial-Line Power Divider (Correspondence)

S. David. "A Wideband Coaxial-Line Power Divider (Correspondence)." 1967 Transactions on Microwave Theory and Techniques 15.4 (Apr. 1967 [T-MTT]): 270-270.

In a recent paper, Parad and Moynihan discussed a strip-line three-port power divider impedance matched in all three ports. Previously, a coaxial-line version of the above type of power divider was developed by Kaplan. This correspondence discusses a method of significantly increasing the bandwidth of this type of device; it is accomplished by open-circuited quarter-wave transmission lines introduced at a novel location within the device. A wideband power divider has been designed, fabricated, and tested; its measured performance over an octave frequency band is presented.

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