

Abstracts

Maximum Efficiency of a Two Arm Waveguide Junction (Correspondence)

R.W. Beatty. "Maximum Efficiency of a Two Arm Waveguide Junction (Correspondence)." 1963 Transactions on Microwave Theory and Techniques 11.1 (Jan. 1963 [T-MTT]): 94-94.

It is well-known that the efficiency of two-arm waveguide junction (2-port) depends upon the reflection coefficient Γ_L of the load with which one of the arms terminated. The efficiency is known to vary between the limits 0 and η_m (maximum efficiency) as Γ_L assumes all possible values within the unit circle.

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