Abstracts

High-Power S-Band Power Divider (Correspondence)

R.M. True. "High-Power S-Band Power Divider (Correspondence)." 1967 Transactions on Microwave Theory and Techniques 15.10 (Oct. 1967 [T-MTT]): 584-586.

The problem of covering the full power range from milliwatts to megawatts in laboratory experiments, with a minimum number of RF power source, and instrumentation changes, has always existed in the field of microwaves. A high-power attenuator, covering a 20 or 30 dB power range using a single RF power source, is needed so that experiments can yield more complete data. The power source used could be set to a fixed frequency and output power level, and the attenuator could be adjusted to supply discrete amounts of power, as needed, to test an experimental device. The frequency of the power source would not have to be readjusted each time the power out of the attenuator is changed.

❑ Return to main document.