

Abstracts

A Wide-Band Double-Vane Torque-Operated Wattmeter for 3-CM Microwaves

A.L. Cullen, B. Rogal and S. Okamura. "A Wide-Band Double-Vane Torque-Operated Wattmeter for 3-CM Microwaves." 1958 *Transactions on Microwave Theory and Techniques* 6.2 (Apr. 1958 [T-MTT]): 133-136.

This paper describes a torque-operated wattmeter for waveguide, capable of measuring power in the range of 10 to 200 watts in the wavelength range 3.05-3.45 cm, with an accuracy of about 2 per cent over most of the wave band. The instrument is an absolute standard since its calibration depends only on measurements of mass, length, and time. Negligible power is absorbed, and the instrument is insensitive to mismatch.

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