Table 1. Specifications

SPECIFICATIONS

Frequency Range: 10 MHz to 18 GHz.

Uncertainty of Calibration Factor Data

Frequency (GHz)	Sum of Uncertainties[1]	Probable Uncertainty[2]
2.0	±2.60%	±1.60%
3.0	±2.60%	±1.60%
4.0	±2.70%	±1.60%
5.0	±2.70%	±1.60%
6.0	±2.70%	±1.60%
7.0	±2.70%	±1.60%
8.0	±3.10%	±1.80%
9.0	±3.30%	±1.80%
10.0	±3.40%	±2.00%
11.0	±3.60%	±2.00%
12.4	±3.70%	±2.20%
13.0	±3.70%	±2.20%
14.0	±4.00%	±2.20%
15.0	±4.00%	±2.50%
16.0	±4.40%	±2.50%
17.0	±5.20%	±3.20%
18.0	±5.10%	±3.20%

[1]Includes uncertainty of reference standard and transfer uncertainties. Directly traceable to NBS.

[2]Square root of the sum of the squares of the individual uncertainties (RSS).

Input Impedance: 50 ohms.

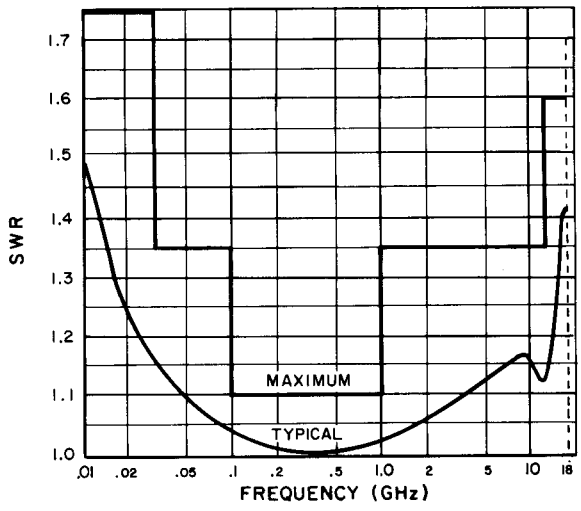
Operating Resistance: 200 ohms, unbalanced.

Power Range with Model 432: 1 μW to 10 mW.

Maximum Peak Power: 200W.

Maximum Average Power: 30 mW.

Maximum Energy per Pulse: 10 W-μs for a PRF ≥1 kHz; 5 W-μs for a PRF <1 kHz.



SWR Limits

Maximum Reflection Coefficient:

10 to 30 MHz: 0.273 (1.75 SWR, 11.3 dB return loss).

30 MHz to 100 MHz: 0.15 (1.35 SWR, 16.5 dB return loss).

100 MHz to 1 GHz: 0.048 (1.1 SWR, 26.4 dB return loss).

1 to 12.4 GHz: 0.15 (1.35 SWR, 16.5 dB return loss).

12.4 to 18 GHz: 0.230 (1.6 SWR, 12.8 dB return loss).

Elements: Thermally balanced thermistor assembly. Thermistor assembly is field adjustable so that full zero-set capability can be restored in the event of inadvertent overload.

RF Connector: Stainless steel type N male (APC-7 also available — see Option 11 below).

Output Connector: Mates with power meter cable (operates directly with 432).

Weight: Net 140 g (5 oz).

Option 11: 8478B Thermistor Mount supplied with APC-7 RF connector.