

85RF High Frequency Probe

The 85RF High Frequency Probe is designed to convert a DC voltmeter with a input impedance of 10M ohms into a high frequency (100kHz to 500MHz) RF voltmeter. Conversion from AC to DC is accomplished on a one-to-one basis includes a range of 0.25 to 30V rms. The probe's DC output is calibrated to be equivalent to the rms value of a sine wave input.

- **Voltage Range:** 0.25 to 30V rms
- **Maximum Input Voltage:** 30V rms, 200V dc
- **AC to DC Ratio:** 1:1
- **Ratio Accuracy (At 25 MHz and loaded with 10 M ohm) Above 0.5V:** +/- 0.5 dB |
Below 0.5V: +/- 1.0 dB | Add +/- 0.2 dB in RF fields of 1 to 3 V/m
- **Frequency Response (Relative to 25 MHz):** 100KHz to 100 MHz +/- 0.5 dB | 100 MHz to 200 MHz +/- 2.0 dB | 200 MHz to 500 MHz +/- 3.0 dB