



Designers, Developers & Manufacturers  
of Transient Protection Devices and RF Test Equipment

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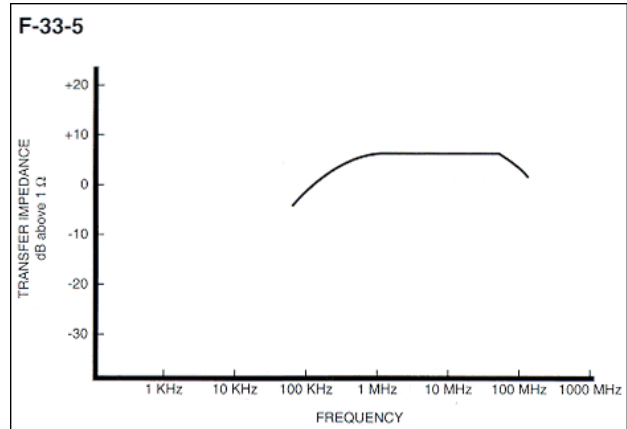
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### F-33-5 Fixed Aperture Current Probe

The F-33-5 is ideal for measuring currents of charged particle beams and can be used in small diameter high vacuum chambers. The outer diameter is 50.8 mm with an aperture diameter of 20 mm. The small impedance added to the beam, negligible phase shift and broad flat transfer impedance permits measurement of the exact current and its waveform. The bandwidth for a 3 dB variation in the transfer impedance is 100 kHz to 140 MHz, and the typical transfer impedance is  $1.3\Omega$ . It is capable of measuring 10 amperes of CW current and 50 amperes of pulse current with a duty cycle of 0.1.



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