Clamp-on Current Monitor Probe T-17A



- CISPR 16-1-2
- CISPR 14-1
- CISPR 25
- CISPR 32
- MIL-STD-461

Features

> Low noise floor for conducted emissions and conducted immunity current measurement
> Excellent DC bias capability, ensuring stable operation under high EUT current
> Undistorted waveform, galvanic isolation from the current-carrying conductor

Introduction

The T-17A Clamp-on Current Monitor Probe can be used in tests as per CISPR 16-1-2 and is suitable for current measurement in accordance with CISPR 14-1, CISPR 25, CISPR 32, and MIL-STD-461. It is capable of measuring AC current (20 Hz ~ 250 MHz) and transient pulse current with DC or low-frequency bias. Through electromagnetic coupling, it converts both types of current signals into voltage signals for measurement.

The probe features undistorted waveforms and galvanic isolation from current-carrying conductors. Its excellent DC bias capability also makes it suitable for conducted immunity testing.

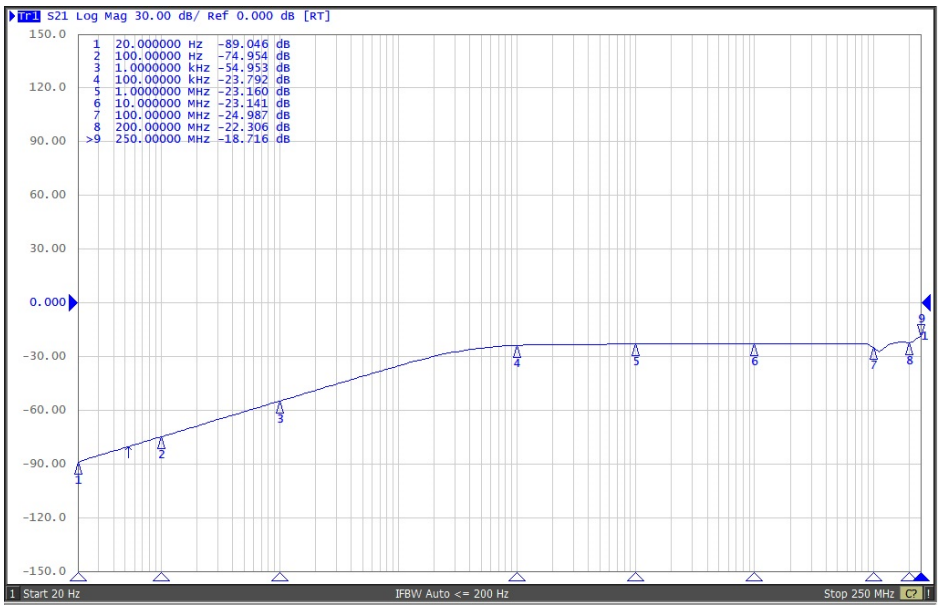
Application Areas



Technical Parameters

Frequency Range	20 Hz ~ 250 MHz
Transfer Impedance	3.6 Ω (11 dBΩ) @50 Ω load
Max. Peak Current	500 A
Max. Cont. Current (RMS)	2 A
EUT Working Current (DC ~ 400 Hz)	300 A
Inner Diameter	40 mm
Outer Diameter	127 mm
Thickness	40 mm
Connector Type	Type N
Working Temperature	0°C ~ 65°C
Weight	Approx. 2 kg

S21 Curve



Note: Transfer impedance (dBΩ)= S21+34 dBΩ @50 Ω load

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