Clamp-on Current Monitor Probe T-14



- RTCA/DO-160
- MIL-STD-461
- GJB 151
- GJB 1389
- GJB 8848

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 the current-carrying conductor

Introduction

The T-14 Clamp-on Current Monitor Probe can be used in tests as per MIL-STD-461H and GJB 151C:2024 etc. It is capable of measuring AC current (10 Hz ~ 500 kHz) and transient pulse current (rise time >0.7 μs) with DC or low-frequency bias. Through electromagnetic coupling, it converts both types of current signals into voltage signals for measurement.

Featuring undistorted waveforms and galvanic isolation from current-carrying conductors, it is widely used in conducted emissions and conducted immunity tests.

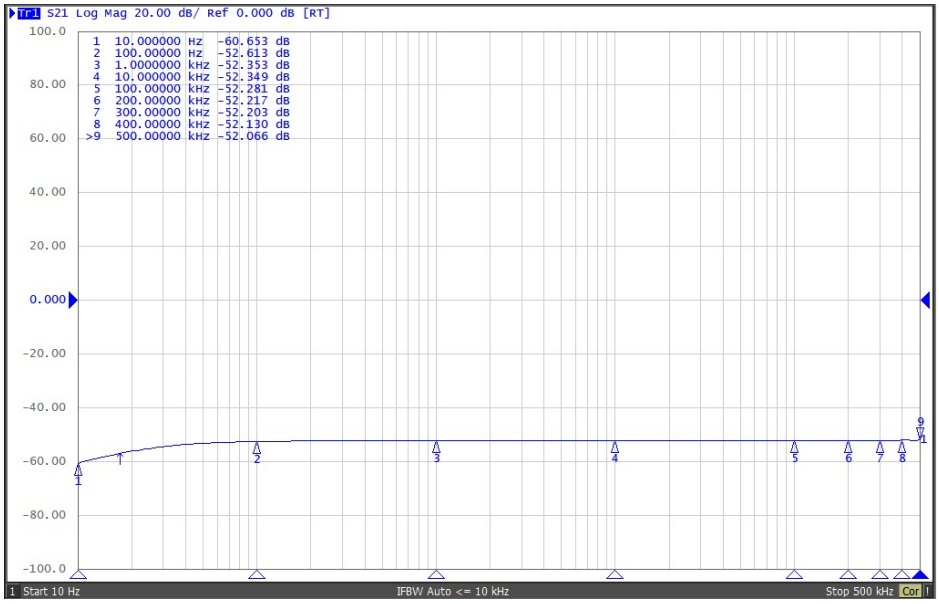
Application Areas



Technical Parameters

Frequency Range	10 Hz ~ 500 kHz
Transfer Impedance	0.125 Ω (-18 dBΩ) @50 Ω load
Max. Peak Current	500 A
Max. Cont. Current (RMS)	5 A
EUT Working Current (DC ~ 400 Hz)	400 A
Inner Diameter	40 mm
Outer Diameter	127 mm
Thickness	70 mm
Connector Type	Type N
Working Temperature	0°C ~ 65°C
Weight	Approx. 2.5 kg

S21 Curve



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

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