

Current Monitor Clamp

T-57



- MIL-STD-461
RTCA DO-160
- GJB151C

Features

- > Supports high-frequency AC current measurement under low-frequency or DC bias
- > Supports time-domain pulse (rise time >0.9 ns) current measurement under low frequency or DC bias
- > Undistorted waveform, galvanic isolation from the conductor under test

Introduction

The T-57 Current Monitor Clamp complies with MIL-STD-461H, RTCA DO-160G and GJB151C-2024, and is designed for measuring high-frequency AC current and time-domain pulse current measurement under low-frequency and DC bias. It transfers AC or pulse signal currents to recording equipment as voltage signals via electromagnetic coupling.

Featuring undistorted waveform and galvanic isolation from the conductor under test, it meets measurement requirements for AC injection signals up to 500 MHz and transient pulse signals with rise time exceeding 0.9 ns. It is widely used in conducted electromagnetic compatibility (EMC) susceptibility (immunity) testing.

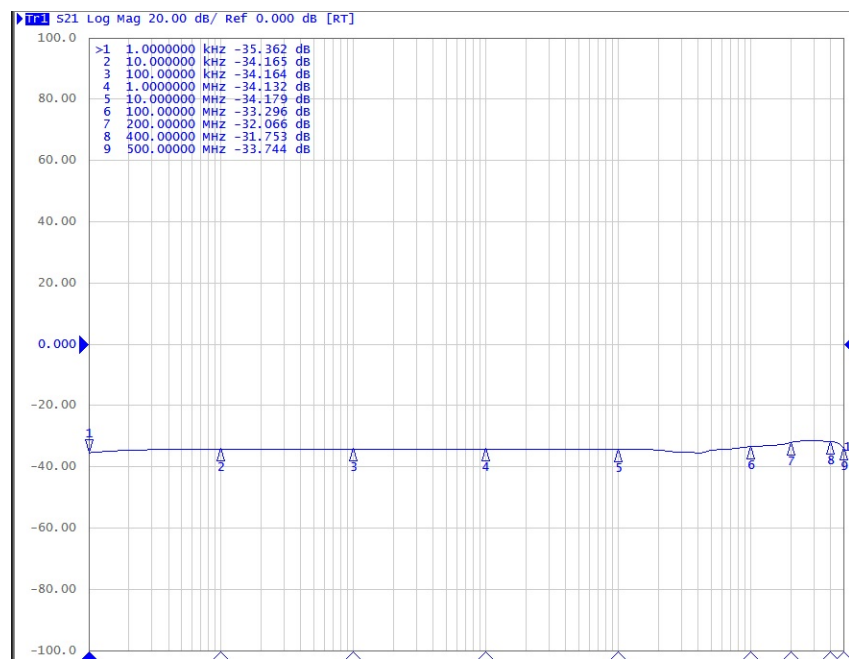
Application Areas



Technical Parameters

Frequency Range	1 kHz ~ 500 MHz
Sensitivity/Transfer Impedance	1 Ω (0 dB Ω) @ with 50 Ω load
Max. Peak Current	100 A
Max Cont. Current (RMS)	2 A
EUT Working Current (DC ~ 400 Hz)	200 A
Inner Diameter	40 mm
Outer Diameter	127 mm
Thickness	40 mm
Connector Type	Type N
Operating Temperature	0°C ~ 65°C
Weight	Approx. 2 kg

S21 Curve



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

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