



Wideband Current Monitor

Clamp **TWCM 00400M**

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

Features

- > Undistorted waveform, galvanic isolation from the conductor under test
- > Supports the requirements for AC signal current measurement from 10 kHz to 400 MHz
- > Supports time-domain pulse current measurements with rise times above 0.9 ns

Introduction

The TWCM 00400M Wideband Current Monitor Clamp complies with MIL-STD-461H, RTCA DO-160G and GJB151C-2024, and is designed to measure AC currents from 10 kHz to 400 MHz and time-domain pulse currents. It transfers AC or pulse signal currents to recording equipment as voltage signals via electromagnetic coupling.

Featuring undistorted waveforms and galvanic isolation from the conductor under test, it meets the measurement requirements of AC signals up to 400 MHz and transient pulse signals with rise times greater than 0.9 ns. It is widely used in conducted electromagnetic compatibility (EMC) susceptibility (immunity) testing.

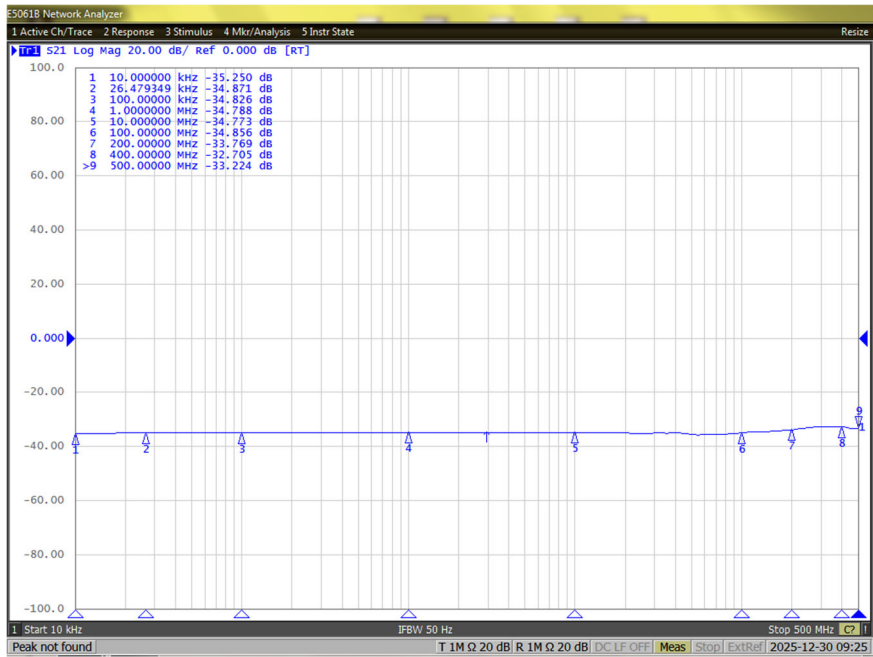
Application Areas



Technical Parameters

Sensitivity/ Transfer Impedance	1 V/A @50 Ω load 2 V/A @1 MΩ load
Output Impedance	50 Ω
Max. Peak Current	100 A
Max. Continuous Current (RMS)	3 A
Frequency Range	10 kHz ~ 400 MHz
Rise Time	0.9 ns
Ampere-second Product	2 mA·s
Thickness	40 mm
Inner Diameter	40 mm
Outer Diameter	127 mm
Interface Type	Type BNC
Operation Temperature	0°C ~ 65°C
Weight	Approx. 2 kg

S21 Curve



Note: Transfer impedance (dB)=S21+34 dB @50 Ω;
Transfer impedance (dB)=S21+34 dB+6 dB @1 MΩ

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