



Wideband Current Monitor

Clamp **TWCM-500**

- 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 1 kHz to 500 MHz

Introduction

The TWCM-500 Wideband Current Monitor Clamp complies with MIL-STD-461H, RTCA DO-160G and GJB151C-2024, and is designed for the measurement of AC currents from 1 kHz to 500 MHz and time-domain pulse currents. It transfers time-harmonic or pulse signal currents to recording equipment as voltage signals via electromagnetic coupling, featuring undistorted waveforms and physical isolation from the conductor under test.

It is widely used in conducted electromagnetic compatibility (EMC) susceptibility (immunity) testing.

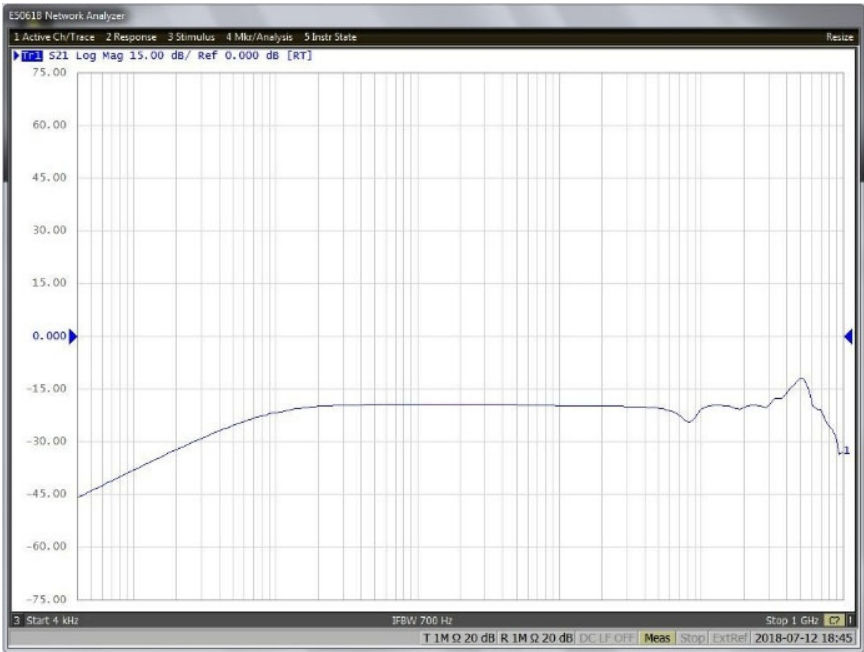
Application Areas



Technical
Parameters

Frequency	1 kHz ~ 500 MHz
Inner Diameter	40 mm
Outer Diameter	127 mm
Height	40 mm
Sensitivity/Transfer Impedance	5.6 Ω 15 dBΩ
Interface Type	Type N
RF Current	2 A
Pulse Current	100 A
Weight	1.3 kg

S21 Curve



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

SUZHOU 3CTEST ELECTRONIC CO., LTD.

Address: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

E-mail: globalsales@3ctest.cn

Service: service@3ctest.cn

Tel: +86 - 512 - 68077192

Web: www.3ctest.com



3CTEST is always striving for product innovation and quality improvement. Product appearance and technical specifications are subject to change without further notice.