

Wideband Current Monitoring Clamp

TWCM-500

Datasheet



In Compliance with

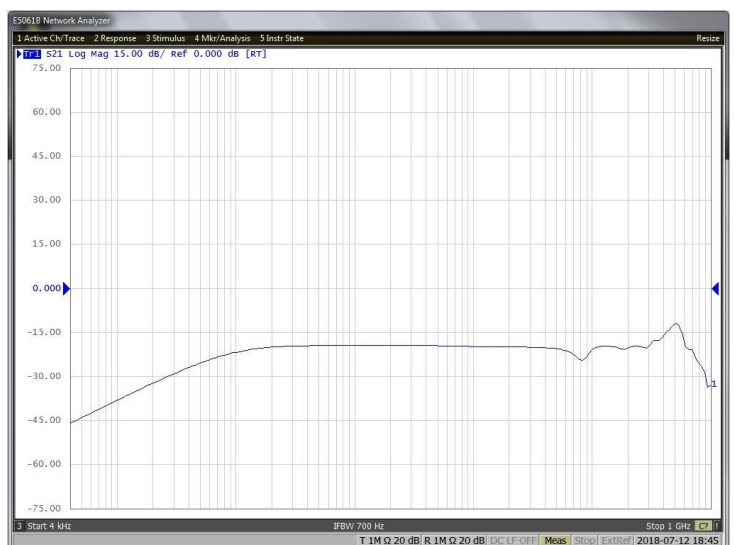
- > MIL-STD-461E/F/G (CS114, CS115, CS116)
- > GJB 151A-97
- > GJB 151B-2013

Introduction

Wideband current monitoring clamp TWCM-500 is used to measure 1 kHz – 500 MHz alternating current and time-domain impulse current. It adopts snap-buckle structure to transmit the time-harmonic signal current or pulse signal current to the recording device in the form of voltage through electromagnetic coupling. It meets the requirements of military standards CS115, CS116 of GJB 151a-97, GJB 151b-2013, and the U.S. military standards CS114, CS115, CS116 in MIL-STD-461E/F/G, and is widely used in electromagnetic compatibility conduction sensitivity (immunity) test.

Technical Parameters

Frequency	1 kHz - 500 MHz
Internal Diameter	40 mm
External Conjugate	127 mm
Height	40 mm
Transfer Impedance	5.6 Ω
	15 dBΩ
Connector Type	N type
R-F Current	2 A
Pluse Current	100 A
Weight	1.3 kg



Curve S21 of TWCM-500

*The Calibration cure is measured with 50 Ω load

**Transfer impedance $Z_t(\text{dB}\Omega) = S21 + 34$



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