



Card Type Broadband Current Clamp

CCM 0105M

Features

- > Undistorted waveform, physical isolation from current-carrying conductors
- > Meets the requirements for AC signal current measurement from 200 Hz to 5 MHz
- > Meets the requirements for time-domain pulse current measurement with a rise time above 70 ns

Introduction

The CCM 0105M Clamp-on Broadband Current Monitor is designed for measuring alternating currents from 200 Hz to 5 MHz and time-domain pulse currents. It transmits sinusoidal or pulsed signal currents to recording equipment in the form of voltage via electromagnetic coupling, featuring undistorted waveforms and physical isolation from current-carrying conductors. It meets measurement requirements for sinusoidal signals up to 5 MHz and transient pulse signals with rise times greater than 70 ns as specified in various standards, and is widely used in EMC conducted susceptibility (immunity) tests.

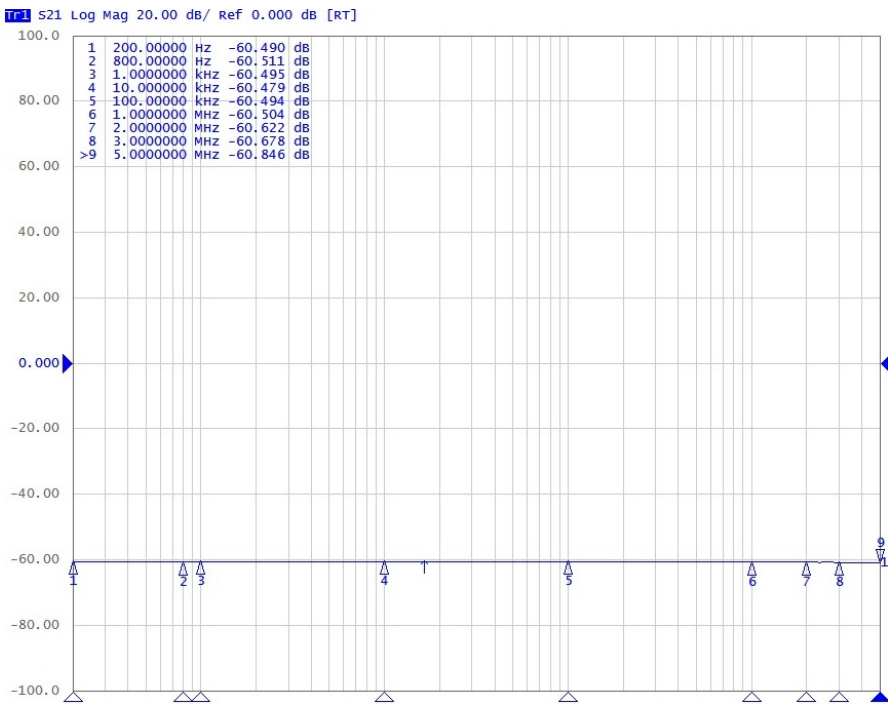
Application Areas



Technical Parameters

Sensitivity	0.1 V/A
Output Impedance	50 Ω
Max. Peak Current	1,000 A
Max. Continuous Current	20 A
Rise Time	70 ns
A·s Integral	100 A·s
Lower Limit Frequency (-3 dB)	200 Hz
Upper Limit Frequency (-3 dB)	5 MHz
Inner Diameter	45 mm
Outer Dimensions	151 mm(W)*45 mm(H)*160 mm(D)
Interface Type	BNC type
Operation Temperature	0°C ~ 65°C
Weight	Approx. 1.7 kg
*Transfer impedance: 0.05 V/A @ 50 Ω	

s21 Curve



CCM 0105M Clamp-on Broadband Current Monitor s21 curve (10 Hz ~ 1 kHz)

Explanation: When the load impedance is 50 Ω: Transfer impedance (dB)=s21+34 dB;
When the load impedance is 1 MΩ: transfer impedance (dB)=s21+34 dB+6 dB;

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.3c-test.com



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