



Card Type Broadband Current Clamp

CCM 0203M

Features

- > Undistorted waveform, physical isolation from current-carrying conductors
- > Supports AC signal current measurements from 50 Hz to 3 MHz
- > Supports time-domain pulse current measurements with rise times above 118 ns
- > Max. Peak Current: 10 kA
- > Max. Continuous Current: 120 A

Introduction

The CCM 0203M Clamp-on Broadband Current Monitor is designed for measuring alternating currents from 50 Hz to 3 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 3 MHz and transient pulse signals with rise times greater than 118 ns as specified in various standards, and is widely used in EMC conducted susceptibility (immunity) tests.

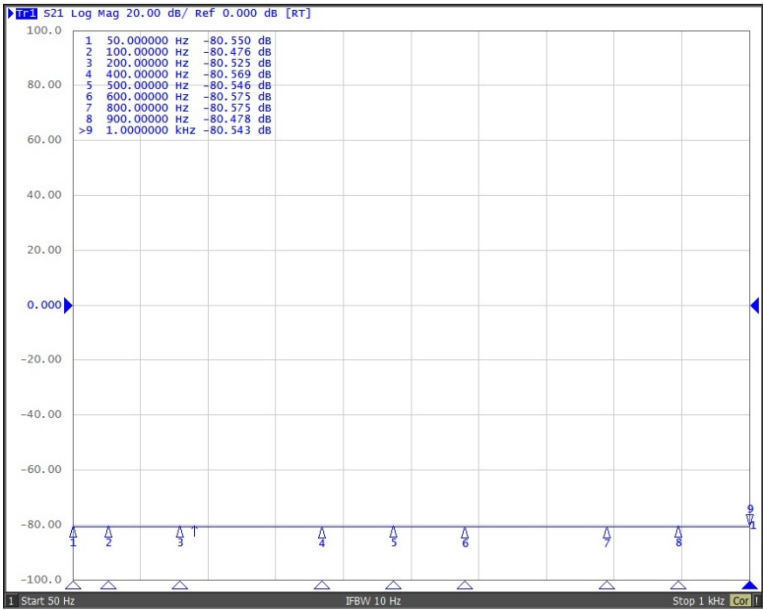
Application Areas



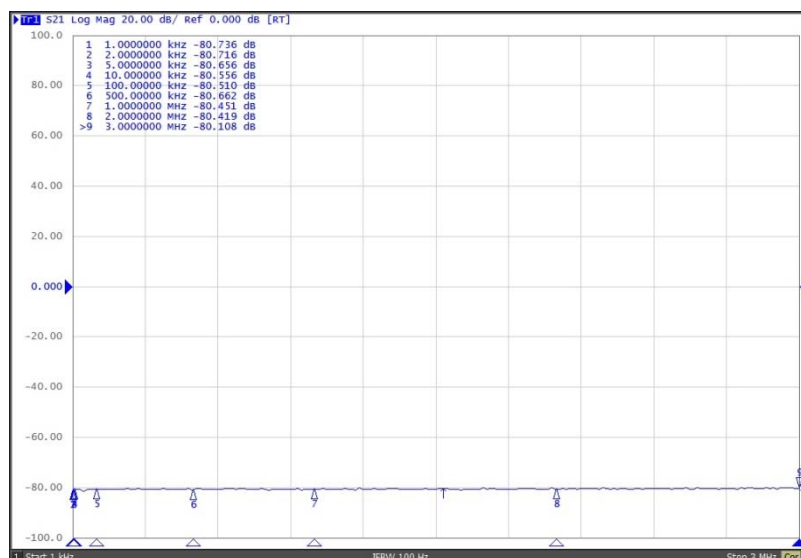
Technical Parameters

Sensitivity*	0.001 V/A
Output Impedance	50 Ω
Max. Peak Current	10,000 A
Max. Continuous Current	120 A
Rise Time	118 ns
A·s Integral	1.6 A·s
Lower Limit Frequency (-3 dB)	50 Hz
Upper Limit Frequency (-3 dB)	3 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: 0.005 V/A @ 50 Ω	

s21 Curve



CCM 0203M Clamp-on Broadband Current Monitor s21 curve (50 Hz ~ 1 kHz)



CCM 0203M 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 M Ω : 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.