



Card Type Broadband Current Clamp

CCM 0210M

Features

- > Undistorted waveform, physical isolation from current-carrying conductors
- > Supports the requirements for AC signal current measurement from 100 Hz to 10 MHz
- > Supports the requirements for time-domain pulse current measurement with a rise time above 35 ns

Introduction

The CCM 0210M Clamp-on Broadband Current Monitor is designed for measuring alternating currents from 100 Hz to 10 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 10 MHz and transient pulse signals with rise times greater than 35 ns as specified in various standards, and is widely used in EMC conducted susceptibility (immunity) tests.

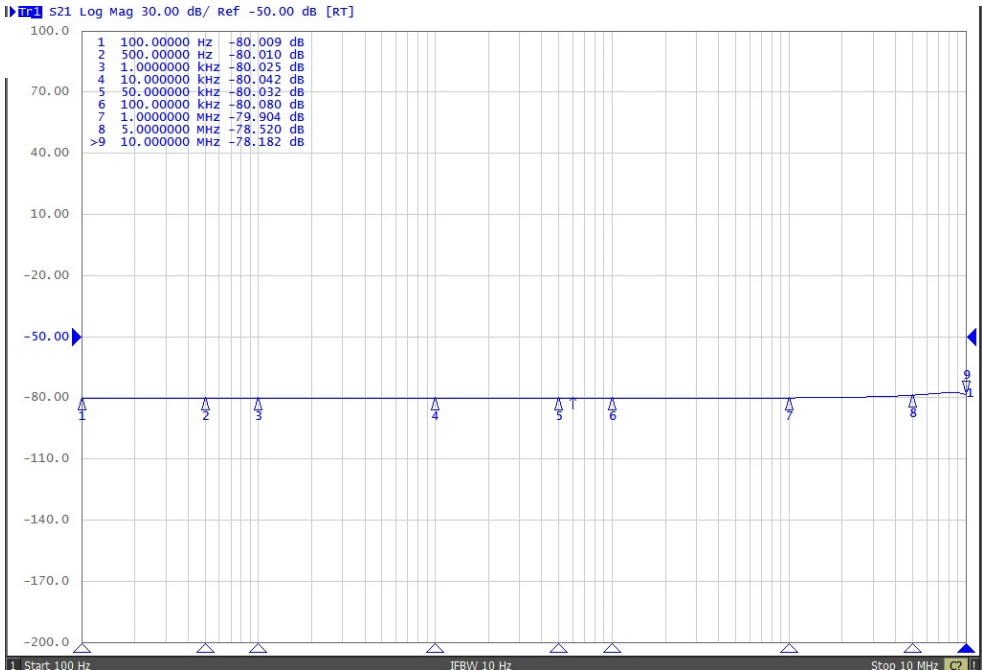
Application Areas



Technical Parameters

Sensitivity*	0.01 V/A
Output Impedance	50 Ω
Max. Peak Current	20,000 A
Max. Continuous Current	120 A
Rise Time	35 ns
A·s Integral	1.6 A·s
Lower Limit Frequency (-3 dB)	100 Hz
Upper Limit Frequency (-3 dB)	10 MHz
Inner Diameter	40 mm
Outer Diameter	127 mm
Thickness	40 mm
Interface Type	BNC type
Operation Temperature	0°C ~ 65°C
Weight	Approx. 3 kg
*Transfer Impedance: 0.005 V/A @ 50 Ω	

s21 Curve



CCM 0210M Clamp-on Broadband Current Monitor s21 curve (10 Hz ~ 1 kHz)

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

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

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