



Card Type Broadband Current Clamp

CCM 0301M

Features

- > Meet the measurement requirements for harmonic signals of 1 MHz and below
- > Having waveform distortion free and physically isolated from the current carrier
- > Meet the measurement of 10 Hz ~ 1 MHz alternating current and time-domain pulse current

Introduction

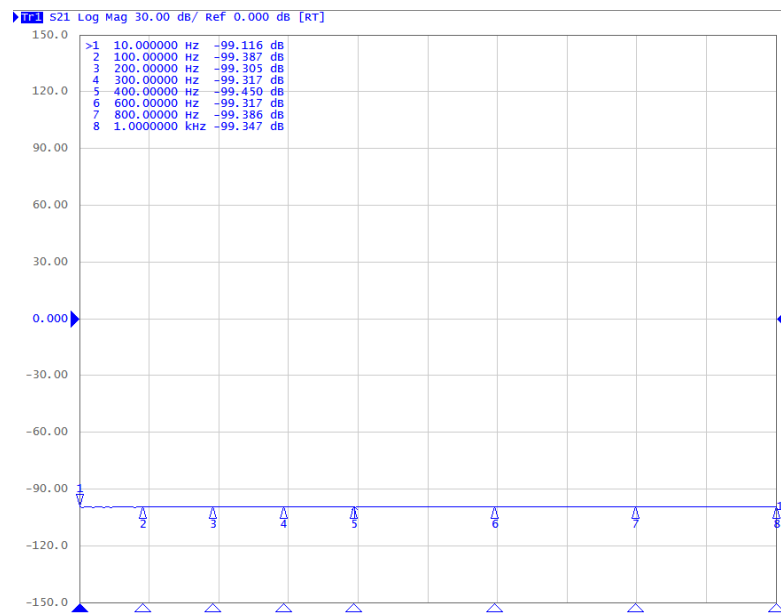
CCM 0301M card broadband current monitoring clamp is used for measuring alternating current and time-domain pulse current from 10 Hz to 1 MHz. By electromagnetic coupling, the time harmonic signal current or pulse signal current is transmitted to the recording device in the form of voltage, which has the characteristics of waveform distortion free and physical isolation from the current carrier. Meet the measurement requirements of various standards for harmonic signals of 1 MHz and below, and transient pulse signals with a rise time greater than 350 ns. Widely used in electromagnetic compatibility conducted sensitivity (immunity) testing.

Application Areas

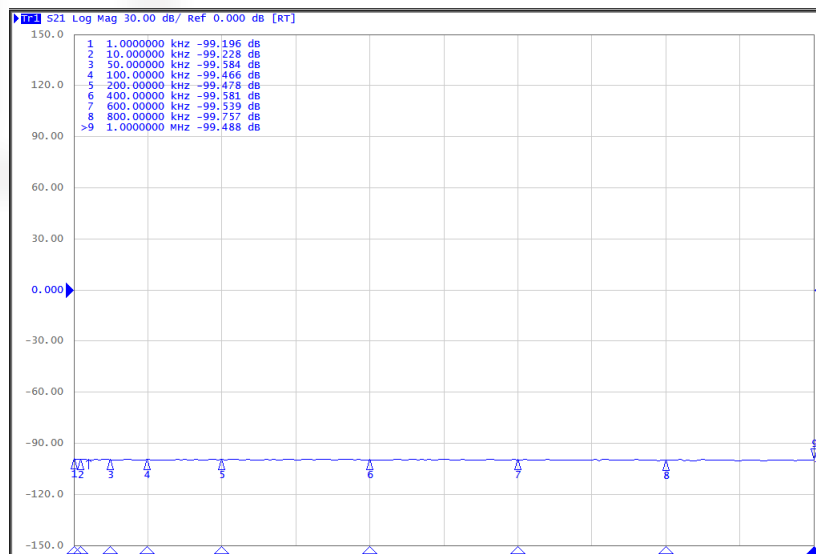


Technical Parameters

Sensitivity*	0.001 V/A
Output Impedance	50 Ω
Maximum Peak Current	20,000 A
Maximum Continuous Current(effective value)	600 A
Rise Time	350 ns
An Second Accumulation	12 A•s
Lower Limit Frequency (-3 dB)	10 Hz
Upper Limit Frequency (-3 dB)	1 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
Weigh	Approx. 1.7 kg
*When the broadband current monitoring clamp is connected to 50 Ω , the sensitivity (transfer impedance) is 0.0005 V/A.	



CCM 0301M broadband current monitoring clamp s21 curve (10 Hz ~ 1 kHz)



CCM 0301M broadband current monitoring clamp 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 M Ω : transfer impedance (dB)=s21+34dB+6dB;

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