



Broadband Current Monitor Clamp

CM 0301M

— Features —

- > Undistorted waveform, physical isolation from current-carrying conductors
- > Supports AC and time-domain pulse current measurement from 10 Hz to 1 MHz
- > Supports harmonic signal measurement up to 1 MHz

— Introduction —

The CM 0301M Broadband Current Monitor is designed for measuring alternating currents from 10 Hz to 1 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 1 MHz and transient pulse signals with rise time less than 350 ns as specified in various standards, and is widely used in EMC conducted susceptibility (immunity) tests.

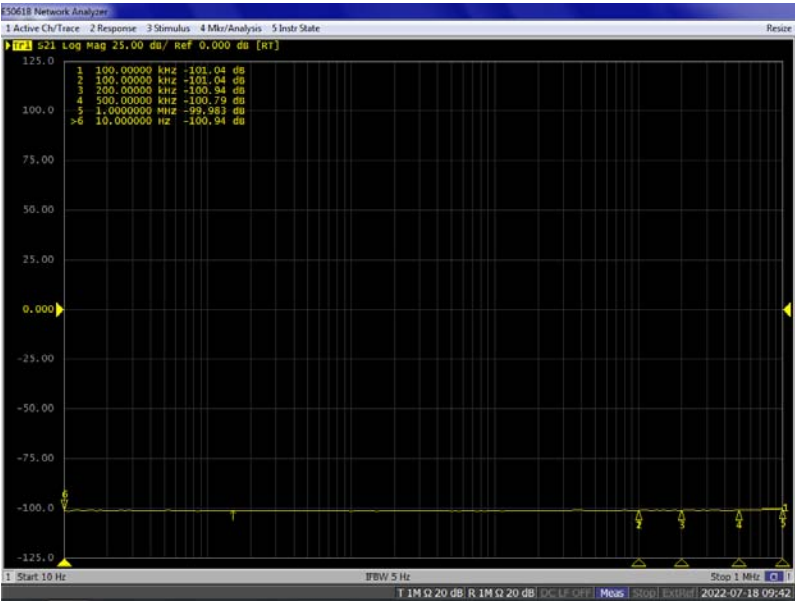
— Application Areas —



Technical Parameters

Sensitivity	0.001 V/A
Output Impedance	50 Ω
Max. Peak Current	200,000 A
Max. Continuous Current	400 A
Rise Time	350 ns
A-s Integral	6 A-s
Lower Limit Frequency (-3 dB)	10 Hz
Upper Limit Frequency (-3 dB)	1 MHz
Thickness	40 mm
Inner Diameter	40 mm
Outer Diameter	116 mm
Interface Type	BNC type
Operation Temperature	0°C ~ 65°C
Weight	Approx. 1 kg

s21 Curve



CM 0301M Broadband Current Monitor s21 curve

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