Surface Current Monitor Probe
BCM 0220M

Introduction

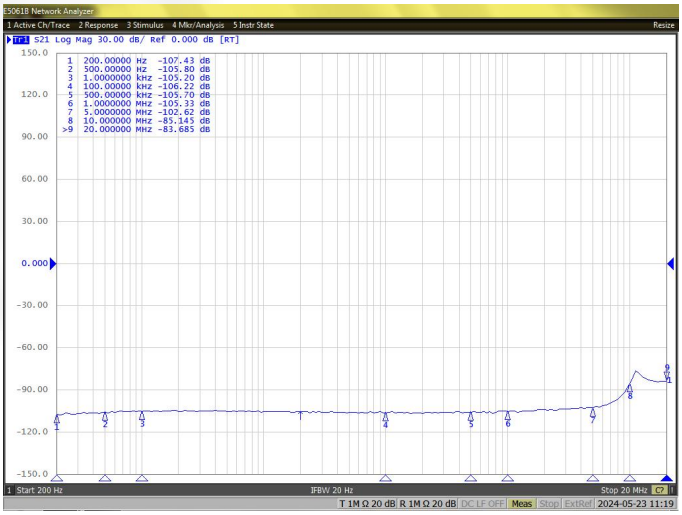
The BCM 0220M surface current probe is used for measuring the induced current on the surface of conductors in electromagnetic radiation environments. This product transfers surface induced current to the recording device in the form of voltage through electromagnetic coupling, and has the characteristics of waveform distortion free and physical isolation from the current carrier.

Technical Parameters

Sensitivity*	0.01 V/A	Frequency Range	200Hz-20 MHz
Output Impedance	50 Ω	Internal Length	40 mm
Maximum Peak Current	20,000 A	Foreign Minister	116 mm
Maximum Continuous Current (Effective Value)	140 A	Thickness	40 mm
Rise Time	17.5 ns	Interface Form	BNC type
Ampere Second Product	1.2 A·s	Working Temperature	0 ℃ ~ 65 ℃
Effective Length**	56 mm	Weight	0.7 kg

*When the broadband current monitoring clamp is terminated at 50 Ω, the sensitivity (transfer impedance) is 0.005V/A;

**When measuring surface current, dividing the measured current value by the effective length of the probe is the surface current density, measured in A/m.



BCM 0220M broadband current monitoring clamp s21 curve

Explanation: When the load impedance is 50 Ω, the transfer impedance (dB) is s21+34dB+25dB;

When the load impedance is 1M Ω: transfer impedance (dB) = s21+34dB+6dB+25d.

SUZHOU3CTEST ELECTRONIC CO., LTD

Address: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China
Sales Email: globalsales@3ctest.cn Service Email: service@3ctest.cn
Tel: + 86 - 512 - 68077192 Web: www.3c-test.com