

MODEL NUMBER:

BCIP230M

**CURRENT INJECTION
PROBE 10 KHZ – 230 MHZ**



DESCRIPTION:

Specifications require the injection of large high frequency currents into cable bundles and individual wires, using inserted secondary toroidal transformers placed around the conductors being tested.

The BCIP230M Injection Probe is a split toroidal design where the probe can be opened up and clamped over the wire(s) under test. Each probe is calibrated for insertion loss and transfer impedance in a test fixture designed for the particular window size. This fixture provides a signal path with a low Voltage Standing Wave Ratio.

FEATURES:

- Meets specifications of IEC 61000-4-6
- Frequency range from 10 KHz up to 230 MHz
- Designed for automotive BCI testing
- Low insertion loss

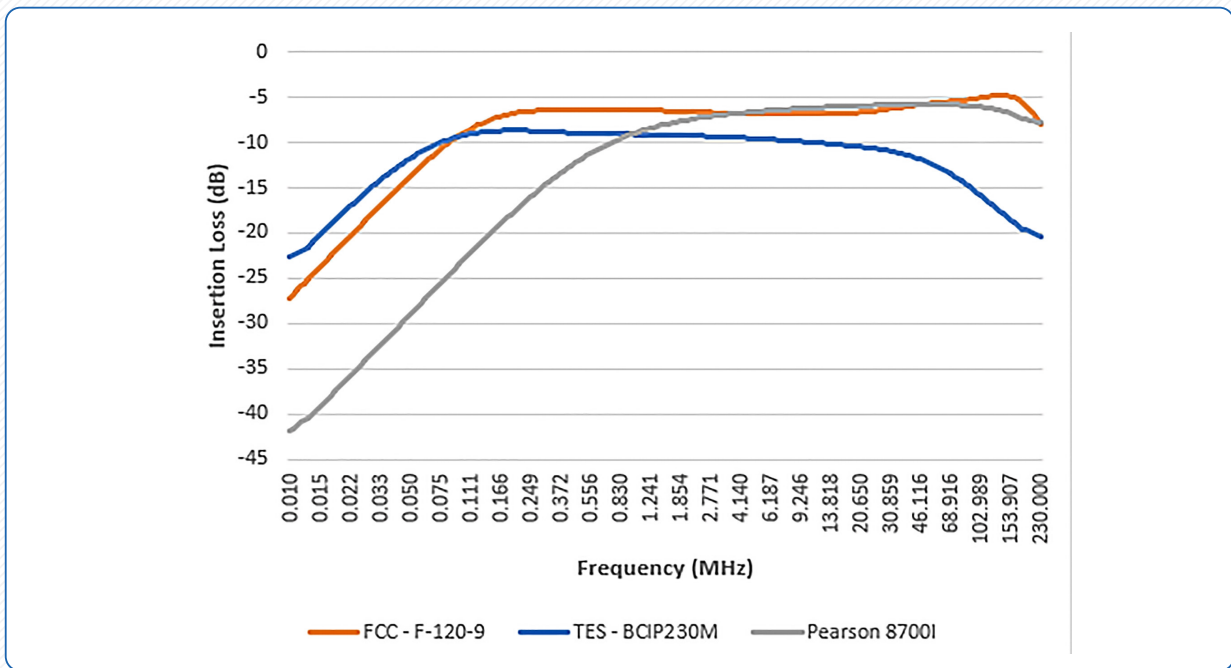
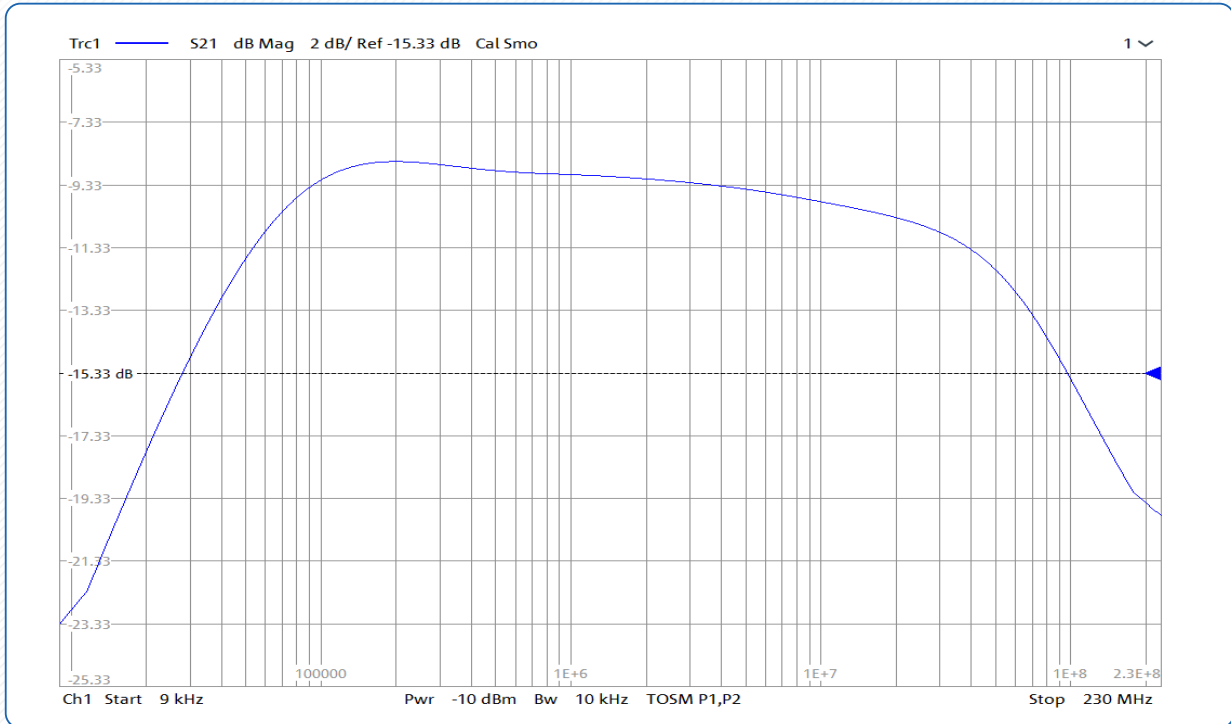
APPLICATIONS

High power R.F. amplifiers with 50 ohm output impedance are used to deliver voltage to the injection probe. The wire or cable through the window of the probe acts as a secondary of the toroidal transformers. This test method is intended to be used instead of earlier methods, such as CS-01, CS-02, and RS-02 of MIL-STD-461.

SPECIFICATIONS:

PARAMETER	SPECIFICATION
Frequency range	10 KHz to 230 MHz
Window Diameter	1.50" (38 mm)
Winding Current	26
Rated W	100
<u>Insertion Loss</u>	
• Under 6 dB	—
• Under 10 dB	200 kHz - 8 MHz
• Under 15 dB	70 kHz - 90 MHz
• Under 20 dB	40 kHz - 100 MHz

INSERTION LOSS



NOTE:

- The power limit specified is 200 watts for 30 minutes. Powers in excess of 200 watts may be used with care, using a shorter than 30 minute period to limit temperature rise . Also, the RF current through the coil winding should be monitored to prevent thermal failure.



WWW.THEEMCSHOP.COM



SALES@THEEMCSHOP.COM



844.423.7435



THE EMC SHOP, 7401 GALILEE RD. #160 ROSEVILLE, CA 95678