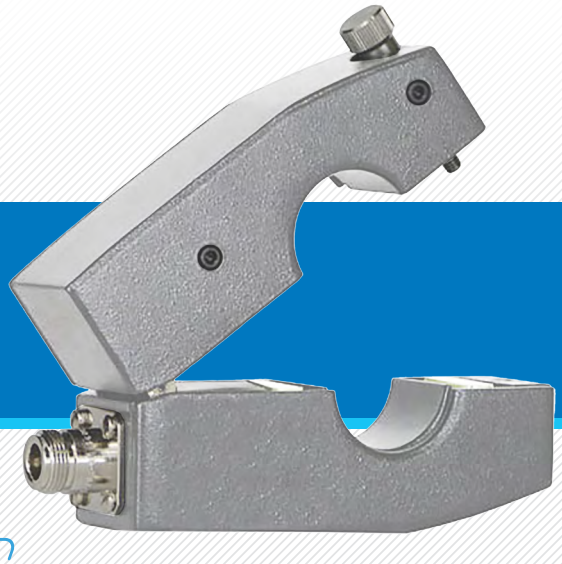
MODEL NUMBER:

BCIP400M

BULK CURRENT INJECTION PROBE 1 MHZ – 400 MHZ



DESCRIPTION:

The Bulk Current Injection Probe is used to inject RF-current into cables of electrical equipment to test the susceptibility against radiated electromagnetic energy.

It was designed to meet the specifications of ISO 11452-4 and IEC 61000-4-6 standards for automotive BCI testing with secondary currents of 300 mA and more.

The probe can be easily clamped around test conductors and supports cable harness diameters up to 40 mm diameter.

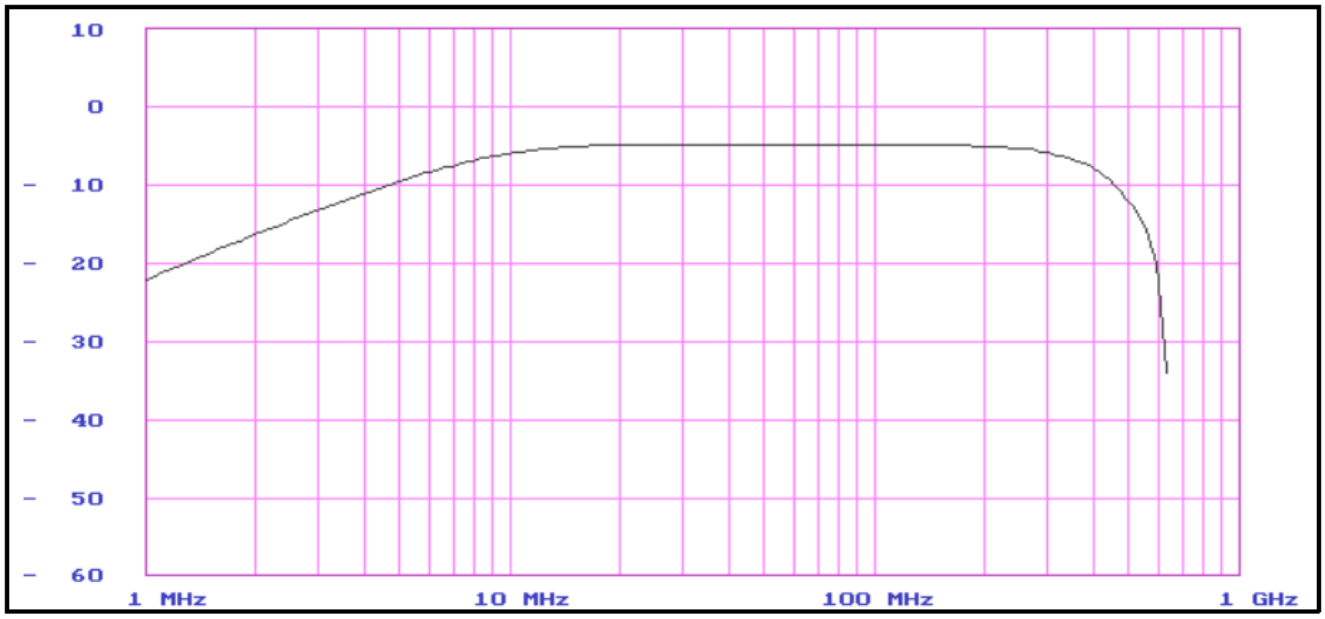
FEATURES:

- Meets specifications of ISO 11452-
- Frequency range from 1 MHz up to 400 MHz
- Designed for automotive BCI testing
- Low insertion loss

SPECIFICATIONS:

PARAMETER	SPECIFICATION
Frequency range	1 MHz to 400 MHz
Maximum input power	200 watts (see note)
Maximum input current	50 Amps
Maximum time for continuous rating at full power	30 minutes
Recommended maximum temperature rise	35 degrees C
Maximum core temperature	80 degrees C
Turns ratio	1:1
Input receptacle	Type “N” Female
Weight	1 .9 kg (4.2 lbs.)
Fastening	Thumb Screw

INSERTION LOSS

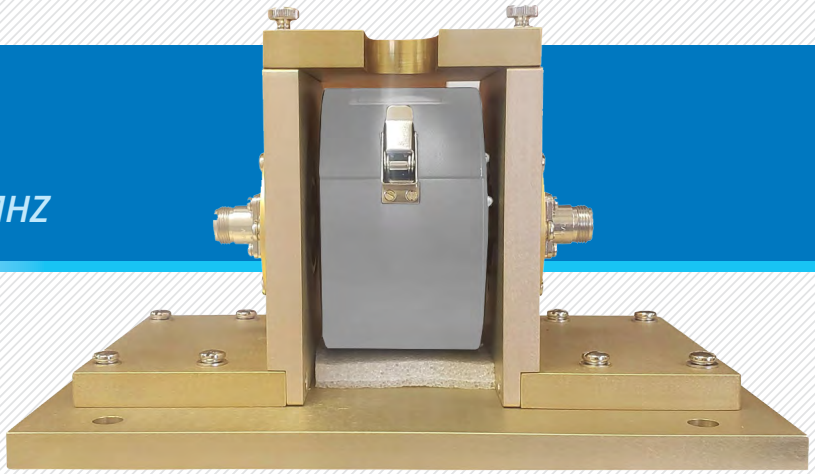


NOTE:

• 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.

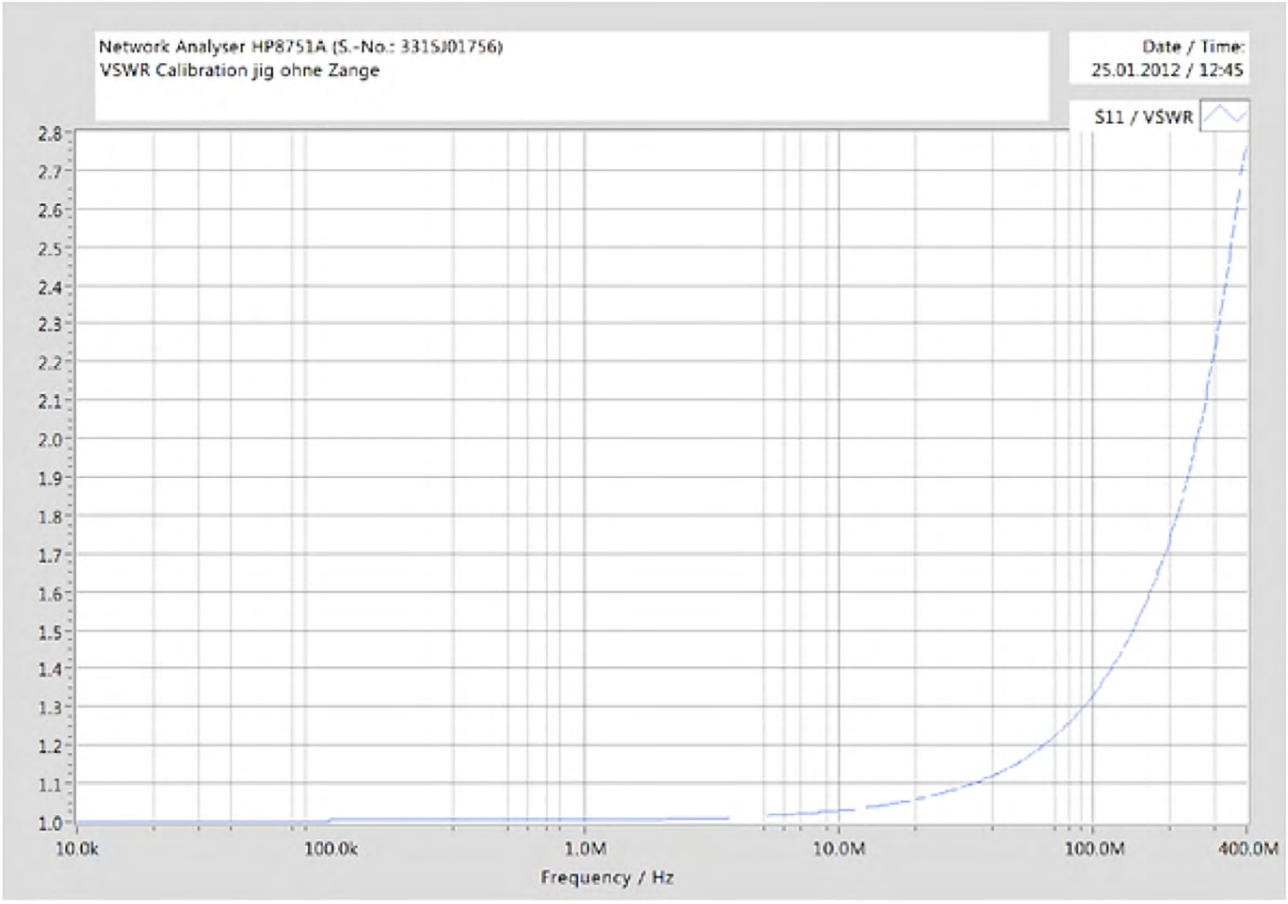
CALIBRATION JIG

FOR BCI PROBE 1 MHZ – 400 MHZ



The calibration jig is used for insertion loss measurement of the Bulk Current Injection Probes and meets ISO 11452-4 and IEC 61000-4-6 standards.

VOLTAGE STANDING WAVE RATIO



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