



A.H. Systems, Inc.

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ICP-521

Injection Current Probe

10 KHz – 100 MHz

This low frequency injection current probe can be used as pulse injection source as well as a sensitive monitoring probe.



Frequency Range:10 KHz – 100 MHz

Insertion Loss:12 to 33 dB

Transfer Impedance:0 to 22 dBΩ

Rated Watts:100 watts CW

Connector:N-Type, female

Physical Dimensions

Inner Diameter:1.6 in. (40 mm)

Outer Diameter:5.0 in. (127 mm)

Height:2.0 in. (64 mm)

Weight:6.5 lb.'s (2.95 kg)

Features

- Broad Frequency Range of 10 KHz to 100 MHz
- Low Frequency Operation
- Individually Calibrated
- Split Type Clamp-on Design

The ICP-521 is low frequency injection current probe that can be used as pulse injection source as well as a sensitive monitoring probe. This probe can inductively couple transients having risetimes as short as 5 nanoseconds and a half pulse width duration of 100 microseconds. When used as a monitor probe, this injection probe has a useable frequency range of 10 KHz to 200 MHz. The VSWR from 200 KHz to 50 MHz is typically less than 4:1. This very low input VSWR minimizes the power being reflected. The ICP-521 has an input power rating of 100 watts CW for 30 minutes.

Recommended Accessories

- SAC-211 (3 meter N/N Cable, RG-214U)
- CPF-530 Current Probe Fixture
- BCP-520 Monitoring Current Probe



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**Injection Current Probe
Insertion Loss
Model: ICP-521**

Insertion Conversion Formula:

$$\text{Injected Current(dB)} = \text{input Current(dB)} - \text{Insertion Loss(dB)} - \text{cable loss}$$

