



85081B High Impedance Input Module, 100 kHz to 1 GHz

Data Sheet

Partial Specifications for an Agilent 8508A with an Agilent 85081B Input Module

Frequency Range: 100 kHz to 1 GHz

Measurement Range (A and B Channel Maximum Input Levels):

Magnitude Measurements

100 kHz to 1 MHz: 300 mV

1 MHz to 1 GHz: 1 V

Phase Measurements

300 kHz to 1 GHz: 300 mV

A (Ref) Channel Minimum Input Levels for Magnitude and Phase Measurements

100 kHz to 300 kHz: 10 mV

300 kHz to 3 MHz: 1 mV

3 MHz to 1 GHz: 300 μ V

B (Meas) Channel Noise Floor

1 MHz to 1 GHz: 10 μ V rms

Input Crosstalk

100 kHz to 500 MHz: >100 dB

500 MHz to 1 GHz: >80 dB

Impedance SWR

100 kHz to 750 MHz: <1.15

750 MHz to 1 GHz: <1.45

Probe: 100 kohm shunted by 2.5 pF (nominal)

Maximum Input (Damage Level):

2 Vac peak, \pm 50 Vdc

Measurement Bandwidth: 1 kHz (nominal)