



# Agilent 11909A

## Low Noise Amplifier

Data Sheet



### Agilent 11909A Specifications

<b>Frequency range</b>	9 kHz to 1 GHz (-3 dB)
<b>Amplifier gain</b>	32 dB $\pm$ 1.5 dB @ 100 MHz
<b>Gain flatness</b>	$\pm$ 0.5 dB (25 kHz to 800 MHz)
<b>Noise figure</b>	2.5 dB max (1.8 dB typical)
<b>Output power @ 1 dB compression</b>	+10 dBm
<b>Impedance</b>	50 ohms
<b>Input return loss</b>	8 dB
<b>Output return loss</b>	10 dB
<b>Reverse isolation</b>	35 dB
<b>Maximum input for linear operation</b>	$\pm$ 24 mV (approximate)
<b>Input damage level</b>	$\pm$ 2 V d.c.

### General Specifications

<b>Temperature range</b>	Operating 0 °C to 55 °C Storage -25 °C to 75 °C
<b>Power requirements</b>	100, 120, 220, or 240 V AC $\pm$ 10% 50 to 60 Hz, 10 VA
<b>Weight</b>	3.3 lbs/1.5 kg
<b>Dimensions</b>	91 mm H, 109 mm W, 183 mm D 3.6" H, 4.3" W, and 7.2" D
<b>Input/output connector</b>	Type "N"
<b>Warranty</b>	1 year



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Product specifications and descriptions in this document subject to change without notice.

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