



Agilent 11909A

Low Noise Amplifier

Data Sheet



Agilent 11909A Specifications

Frequency range	9 kHz to 1 GHz (-3 dB)
Amplifier gain	32 dB \pm 1.5 dB @ 100 MHz
Gain flatness	\pm 0.5 dB (25 kHz to 800 MHz)
Noise figure	2.5 dB max and 1.8 dB typ. (5~500 MHz) 2.5 dB typ. (1 GHz)
Output power @ 1 dB compression	+10 dBm
Impedance	50 ohms
Input return loss	8 dB
Output return loss	10 dB
Reverse isolation	35 dB
Maximum input for linear operation	\pm 24 mV (approximate)
Input damage level	\pm 2 V DC

General Specifications

Temperature range	Operating 0 °C to 55 °C Storage -25 °C to 75 °C
Power requirements	100, 120, 220, or 240 V AC 50/60 Hz, 20 VA
Weight	3.3 lbs/1.5 kg
Dimensions	91 mm H, 109 mm W, 183 mm D 3.6" H, 4.3" W, and 7.2" D
Input/output connector	Type "N"
Warranty	1 year





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