

Low Noise Amplifier DM-LNMB-13-101

Electrical Specifications (+25°C)

PARAMETER	UNITS
Frequency	0.1 to 26.5 GHz
Small Signal Gain	13 dB min, 15 dB typ
Flatness	±2.0 dB max
Noise Figure (>500MHz)	5.5 dB max, 5 dB typ
P1dB	+15 dBm min
OIP3	+23 dBm typ
Input VSWR	2.2:1 nom
Output VSWR	2.2:1 nom
DC Power	+12 to +15 VDC, 200 mA nom
Max Input Power	+10 dBm CW

Mechanical Specifications

PARAMETER	UNITS
Size (L x W x H)	0.89" x 1.05" x 0.39"
Connectors (In/Out)	SMA female
Housing Material	Aluminum
Sealing	Hermetic
Cooling	External heatsink (not included)
Outline	001-0028

Features

Internal Voltage Regulator

Environmental Specifications (by design)

PARAMETER	UNITS
Operating Temperature	-40 to +85°C
Storage Temperature	-54 to +85°C
Relative Humidity	IAW MIL-STD-810F, up to 95%
Altitude	up to 30,000 ft
Shock	IAW MIL-STD-202G method 214, condition C

Classification

ECCN: EAR99

Test Data

Gain, Flatness, Noise Figure, P1dB, VSWR, DC Power at +25°C