

Low Noise Amplifier DM-LNMB-30-102

Electrical Specifications (+25°C)

PARAMETER	UNITS
Frequency	6.0 to 18.0 GHz
Small Signal Gain	30 dB min
Flatness	±2.0 dB max
Noise Figure	2.2 dB typ, 2.5 dB max
P1dB	+12 dBm min
IP3	+25 dBm nom
VSWR (input/output)	2.0:1 nom
DC Power	+12 to +15 VDC, 180 mA nom
Max Input Power	+13 dBm CW

Mechanical Specifications

PARAMETER	UNITS
Size (L x W x H)	0.998" x 0.75" x 0.365"
Connectors (In/Out)	SMA female
Housing Material	Aluminum
Sealing	Hermetic
Cooling	External heatsink (not included)
Outline	001-0052

Features

Internal Voltage Regulator
Reverse Voltage Protection

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