

# Low Noise Amplifier DM-LNMB-18-101

## Electrical Specifications (+25°C)

PARAMETER	UNITS
Frequency	18 to 40 GHz
Small Signal Gain	18-22 dB min-max
Flatness	±1.5 dB max
Noise Figure	5.5 dB max
P1dB	+10 dBm min
VSWR (input/output)	2.5:1 nom
DC Power	+12 to +15 VDC, 250 mA nom

## Mechanical Specifications

PARAMETER	UNITS
Size (L x W x H)	1.0" x 1.75" x 0.41"
Connectors (In/Out)	2.4mm female (K type)
Sealing	Hermetic
Cooling	External heatsink (not included)
Outline	001-0079

## Features

Internal Voltage Regulator

## Environmental Specifications (by design)

PARAMETER	UNITS
Operating Temperature	-20 to +85°C
Storage Temperature	-55 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