

# Low Noise Amplifier DM-LNMB-35-103

## Electrical Specifications (+25°C)

PARAMETER	UNITS
Frequency	6.0 to 18 GHz
Small Signal Gain	35-39 dB min-max
Flatness	±1.5 dB max
Noise Figure	3.5 dB max
P1dB	+25 dBm min
VSWR (input/output)	2.0:1 nom
DC Power	+12 to +15 VDC, 550 mA nom

## Mechanical Specifications

PARAMETER	UNITS
Size (L x W x H)	1.80" x 0.74" x 0.365"
Connectors (In/Out)	SMA female
Sealing	Hermetic
Cooling	External heatsink (not included)
Outline	001-0077

## Features

Internal Voltage Regulator  
Reverse Voltage Protection

## 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