

Low Noise Amplifier DM-LNMB-40-102

Electrical Specifications (+25°C)

PARAMETER	UNITS
Frequency	0.1 to 26.5 GHz
Small Signal Gain	38 dB min, 40 dB typ
Flatness	±2.5 dB max
Noise Figure (>500MHz)	4.5 dB max, 3.8 dB typ
P1dB	+13 dBm min
OIP3	+20 dBm nom
Input VSWR	2.0:1 max 70% of band 2.5:1 max 30% of band
Output VSWR	2.0:1 max
DC Power	+12 to +15 VDC, 275 mA nom
Max Input Power	+10 dBm CW

Mechanical Specifications

PARAMETER	UNITS
Size (L x W x H)	1.23" x 1.05" x 0.38"
Connectors (In/Out)	SMA female
Housing Material	Aluminum
Sealing	Epoxy
Cooling	External heatsink (not included)
Outline	001-0011

Features

Internal Voltage Regulator
Reverse Voltage Protection

Environmental Specifications (by design)

PARAMETER	UNITS
Operating Temperature	-20 to +85C
Storage Temperature	-54 to +85°C

Classification

ECCN: EAR99

Test Data

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