

Low Noise Amplifier DM-LNMB-35-101

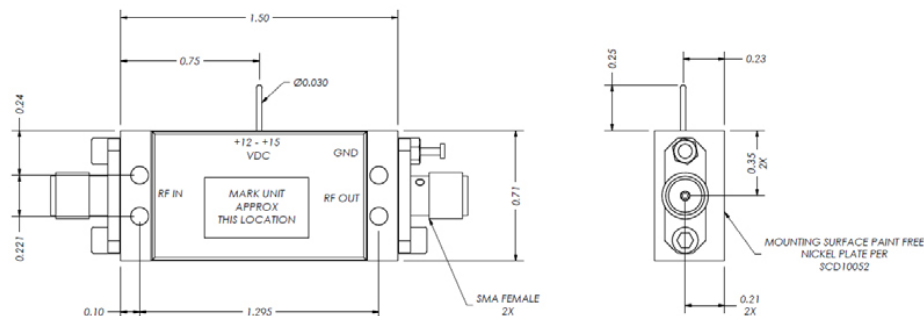
Electrical Specifications (+25°C)

PARAMETER	UNITS
Frequency	2 to 18 GHz
Small Signal Gain	35 dB min
Flatness	±2.0 dB max
Noise Figure	2.5 dB max ≤ 10 GHz 3.5 dB max > 10 GHz
P1dB	+13 dBm min, +15 dBm typ
OIP3	+22 dBm typ
Input VSWR	2.0:1 nom
Output VSWR	2.0:1 nom
DC Power	+12 to +15 VDC, 250 mA nom
Max Input Power	+10 dBm CW

Mechanical Specifications

PARAMETER	UNITS
Size (L x W x H)	1.50" x 0.71" x 0.41"
Connectors (In/Out)	SMA female
Housing Material	Aluminum
Sealing	Hermetic
Cooling	External heatsink (not included)

Outline Drawing



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