

Low Noise Amplifier DM-LNX-45-101-WG

Electrical Specifications (+25°C)

PARAMETER	UNITS
Frequency	9.5 to 10.5 GHz
Small Signal Gain	45 dB min
Flatness	±1.0 dB max
Noise Figure	1.1 dB max
P1dB	+10 dBm min
IP3	+20 dBm nom
VSWR (input/output)	1.4:1 nom
DC Power	+12 to +15 VDC, 250 mA nom
Max Input Power	+13 dBm CW

Mechanical Specifications

PARAMETER	UNITS
Size (L x W x H)	2.55" x 1.0" x 0.70"
Connectors (In/Out)	WG/SMA female
Housing Material	Aluminum
Sealing	Hermetic
Cooling	External heatsink (not included)

Features

Internal Voltage Regulator
Reverse Voltage Protection
WG Waveguide Input

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