



Part Number DM-LNC-25-101

Low Noise Amplifier

Rev A
09/18/15

Electrical Specifications (+25°C):

Frequency	6.8 to 7.8 GHz
Small Signal Gain	23 dB min – 28 dB max
Flatness	±1.0 dB max
Noise Figure	1.0 dB max
P1dB	+13 dBm min
Input VSWR	1.8:1 nom, 2.0:1 max
Output VSWR	1.8:1 nom, 2.0:1 max
DC Power	+12 to +15 VDC, 150 mA nom
Max Input Power	+13 dBm CW

Features:

Internal Voltage Regulator

Mechanical Specifications:

Size (L x W x H) inches	0.86 x 0.70 x 0.29
Connectors (In/Out)	SMA Male (in)/Female (out)
Housing Material	Aluminum
Sealing	Hermetic
Cooling	External heatsink (not included)
Outline:	001-0010

Environmental Specifications (by design):

Operating Temperature	-20 to +85C
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

Test Data:

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

Classification:

ECCN

EAR99



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Delta Microwave's Quality Management System has been assessed by NSF-ISR and found to be in conformance with AS9100:2009, Rev. C. Delta Microwave reserves the right to change specifications without notice. Please verify specification revision upon order placement.