Part Number DM-LNC-45-101
Low Noise Amplifier

Rev 1
09/18/15

Electrical Specifications (+25°C):

Frequency	7.2 to 7.5 GHz
Small Signal Gain	45 dB min
Flatness	±1.0 dB max
Noise Figure	0.8 dB max
P1dB	+15 dBm min
IP3	+25 dBm nom
VSWR (input/output)	1.5:1nom
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	1.55 x 0.71 x 0.41
Connectors (In/Out)	SMA female
Housing Material	Aluminum
Sealing	Hermetic
Cooling	External heatsink (not included)
Outline	001-0124

Environmental Specifications (by design):

Operating Temperature	-40 to +85°C
Storage Temperature	-54 to +85°C
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

Delta Microwave

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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.