



# Part Number DM-LNKA-30-101

## Low Noise Amplifier

Rev 1  
09/18/15

### Electrical Specifications (+25°C):

Frequency	24 to 30 GHz
Small Signal Gain	30 dB min
Flatness	±2.5dB max
Noise Figure	4.0 dB max
P1dB	+10 dBm min
IP3	+20 dBm nom
VSWR (input/output)	2.0:1 nom
DC Power	+12 VDC, 120 mA nom
Max Input Power	+10 dBm CW

### Features:

Internal Voltage Regulator  
Reverse Voltage Protection

### Mechanical Specifications:

Size (L x W x H) inches	0.998 x 0.75 x 0.365
Connectors (In/Out)	K type (female)
Housing Material	Aluminum
Sealing	Hermetic
Cooling	External heatsink (not included)
Outline	001-0052

### Environmental Specifications (by design):

Operating Temperature	-40 to +85C
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

### Test Data:

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

### Classification:

ECCN EAR99



Registered to AS9100 (with ISO 9001)

## 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.