



LNA5001

Coax Low Noise Amplifier

FEATURES:

- ECCN Number: EAR99

ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	8.0 - 8.5 GHz	
Linear Gain	50 dB Min	Note 1 - Output BPF
Gain Flatness	2 dB p-p Max	
Output Power @ P1dB	10 dBm Min	
3 rd Order Intercept (IP3)	+20 dBm Min	
Noise Figure	50 K Max	0.69 dB
Input VSWR	1.5 : 1 Max	
Operating Voltage / Bias Current	+12 VDC / 250 mA Nom	
Input Power Protection	-30 dBm Max	

Notes:

1. Gain lower by 30 dB at all frequencies <7.8 GHz and >8.7 GHz

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions (L x W x H)	110 x 80 x 27 mm	Excluding connectors
Temperature Range (Operating)	-20°C to +60 °C	
Temperature Range (Storage)	-45°C to +85 °C	
Connectors Input / Output	WR112 / N-F	

OUTLINE DRAWING

