

GENERAL DESCRIPTION

The NWSLN1316-00 is a Ku-band LNA operating in the frequency range 13.0 – 16.0GHz (customizable).

NANOWAVE has mass-production capabilities and a track record of more than 7,900 LNAs in LEO.



FEATURES

- Broadband performance: 13.0 – 16.0GHz
- 42dB Small Signal Gain
- 1.6dB Noise Figure

APPLICATIONS

- SATCOM for LEO / MEO / GEO
- Aerospace

ELECTRICAL PARAMETERS @ +25°C

Parameter	Unit	Min	Typ	Max	Remarks
Frequency Range	GHz	13.0		16.0	can be customized
Small Signal Gain	dB		42		
Gain Flatness	dB		0.5		
Noise Figure	dB		1.6		
Input Return Loss	dB		-18		
Output Return Loss	dB		-15		
Input Voltage	V		2		
DC Power	W		0.44		

MECHANICAL and ENVIRONMENTAL PARAMETERS

Parameter	Unit	Min	Typ	Max	Remarks
Operating Temperature	°C	-25		+65	
Storage Temperature	°C	-55		+125	
RF Interface			SMA		
Size (L, W, H)	mm		78(L) x 21(W) x 11(H)		
Weight	gram		42		

Notes: Customized shapes and outlines of packaging, to enable customer Form-Fit Functionality requirements.

Additional features:

- Hermetically sealed package
- All plating and painting is RoHS compliant

For further information please contact NANOWAVE Technologies Inc. at sales@nanowavetech.com , or call (+1) 416-252-5602.