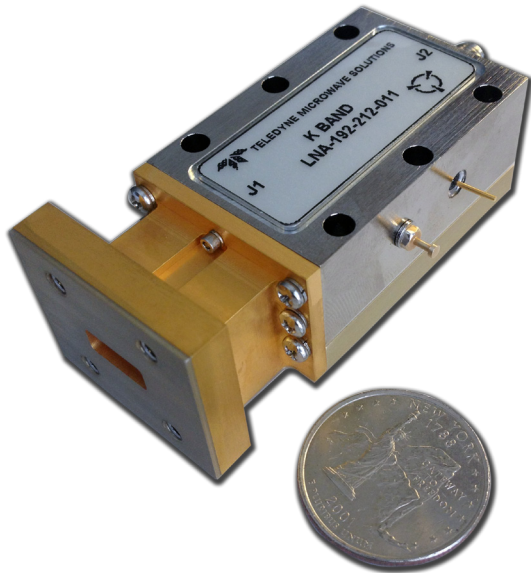


K-BAND LOW NOISE AMPLIFIER

LNA-192-212-XXX
19.2 GHz - 21.2 GHz



This Ka-Band Low Noise Amplifier (LNA) is designed to meet the extended K-Band Satcom bands and is ideally suited for airborne or SWaP applications where size weight and power are critical.

The unit has an industry beating 1.3 dB Noise figure over the full 2 GHz Bandwidth. With a total weight of 0.5 lbs and small size the unit is ideal for todays integrated light weight Ka-Band terminals.

Other products that may be of interest include:

- Low Noise Block Converters (Ku & X-Band)
- Block Up Converters (Ku & X-Band)
- Low Noise Amplifiers (Ku & K-Band)
- Solid State Power Amplifiers (X, Ku & Ka-Band)
- Synthesizers (L, C or X-Band)

K-Band Low Noise Amplifier

19.2 GHz - 21.2 GHz

Specifications:

Parameter	Value
Noise Figure @25 °C	95 °K (1.3 dB)
Operating Frequency Range	19.2 to 21.2 GHz min/max
Operating Temperature Range	-54 to +95 °C min/max
Small-Signal Gain	40 dB min 44 dB max
P1dB	+15 dBm min
3rd OIP	23 dBm
Input Overdrive	18 dBm
In-Band Spurious	-35 dBc max
Out of Band Spurious	-35 dBc max
Group Delay variation over any 10 MHz	0.1 nsec max
AM/PM Conversion	0.1 °/dB max
DC Supply Voltage	8-12 VDC max
Current	50 mA
Output Connector	2.92mm (f)
Input Waveguide	WR-42
Input / Output VSWR	1.4:1
Humidity	100%
Size	1.0" X 2" X 0.5"
Weight	0.5 lbs max

