

Low Noise Amplifiers (LNAs) Comparison

- Outstanding performance and reliability - Over 20 years field proven
- Single-thread, 1:1, 1:2, and Dual 1:1 redundancy
- Monopulse systems and tracking units available
- 3 year warranty - All inclusive

- Enhanced corrosion resistant, siloxane-epoxy coated and tested IAW MIL-STD 202G, available
- High power C-band available with 25dBm output power
- CE, WEEE, RoHS and Reach

C Band

Frequency (GHz)	Noise Temperature (K)					Gain (dB)		P1dB Out (dBm)		
	28	30	35	40	45	60	10	20	25	
3.40 - 4.20	•	•	•	•	•	•	•	•	•	•

Ku Band

Frequency (GHz)	Noise Temperature (K)				Gain (dB)		P1dB Out (dBm)	
	65	70	80	90	50	60	12	20
10.70 - 12.75	•	•	•	•	•	•	•	•



Corrosion-Resistant C/Ku-Band

Ka Band

Frequency (GHz)	Noise Temperature (K)		Gain (dB)		P1dB Out (dBm)
	120	130	50	60	20
17.70 - 21.20	•	•	•	•	•

X Band

Frequency (GHz)	Noise Temperature (K)		Gain (dB)		P1dB Out (dBm)	
	45	50	50	60	15	20
7.25 - 7.75	•	•	•	•	•	•



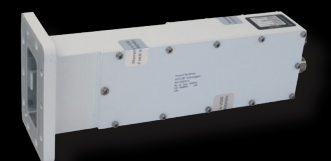
Wideband Ka-Band LNA

S Band

Frequency (GHz)	Noise Temperature (K)		Gain (dB)	P1dB Out (dBm)
	45	50	60	10
2.20 - 2.40	•	•	•	•

L Band

Frequency (GHz)	Noise Temperature (K)			Gain (dB)		P1dB Out (dBm)
	35	40	45	50	60	10
1.510 - 1.577	•	•	•	•	•	•



High-Power C-Band LNA

Low Noise Block Converters (LNBs) Comparison

Low Noise Block Converters (LNBs)

Band	Ku-Band	Ku-Band	Ku-Band	Ku-Band	Ku-Band
Frequency	10-70 - 11.70 GHz, 11.70 - 12.20 GHz, 12.20 - 12.75 GHz	10.70 - 11.70 GHz, 11.70 - 12.20 GHz, 12.20 - 12.75 GHz	10.95 - 11.70 GHz	11.70 - 12.20 GHz	12.25 - 12.75 GHz
Types Available	Single-Thread, 1:1. 1:2. Systems include Redundancy Controllers - Band Switching Systems	Single-Thread, 1:1. 1:2. Systems include Redundancy Controllers - Band Switching Systems	Single-Thread, 1:1. 1:2. Systems include Redundancy Controllers	Single-Thread, 1:1. 1:2. Systems include Redundancy Controllers	Single-Thread, 1:1. 1:2. Systems include Redundancy Controllers
Reference	Externally Referenced	10 MHz Auto-Switching Reference	Internally Referenced	Internally Referenced	Internally Referenced
Temperature Range (Single-Thread Units)	-40 °C to +70 °C	-40 °C to +70 °C	-40 °C to +70 °C	-40 °C to +70 °C	-40 °C to +70 °C

Low Noise Block Converters (LNBs)

Band	C-Band	X-Band	X-Band	X-Band
Frequency	3.40 - 4.20 GHz	7.25 - 7.75 GHz	7.25 - 7.75 GHz	7.25 - 7.75 GHz
Types Available	Single-Thread, 1:1. 1:2. Systems include Redundancy Controllers	Single-Thread, 1:1. 1:2. Systems include Redundancy Controllers	Single-Thread, 1:1. 1:2. Systems plus Redundancy Controller	Single-Thread, 1:1. 1:2. Systems plus Redundancy Controller
Reference	Internally Referenced	Internally Referenced	Externally Referenced	10 MHz Auto-Switching Reference
Temperature Range (Single-Thread Units)	-40 °C to +70 °C	-40 °C to +60 °C	-40 °C to +70 °C	-40 °C to +70 °C

Low Noise Block Converters (LNBs)

Band	Ka-Band	Ka-Band
Frequency	19.20 - 20.20 GHz	20.20 - 21.2 GHz
Types Available	Single-Thread, 1:1. 1:2. Systems include Redundancy Controllers	Single-Thread, 1:1. 1:2. Systems include Redundancy Controllers
Reference	Internal reference power muted when external reference is present	Internal reference power muted when external reference is present
Temperature Range (Single-Thread Units)	-40 °C to +70 °C	-40 °C to +70 °C

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