



Ku-band LNB

ASC Signal Corporation, the world leader in LNB technology, offers an excellent selection of high quality Low Noise Block-downconverters (LNB) to meet the stringent demands of OEM receive electronics designed for high-performance network applications.

These Ku-band LNBs are designed to meet the highest standards for performance and reliability, providing Noise Figures as low as 0.6 dB with very low power consumption. Each LNB derives its

own Local Oscillator from a precise internal source, eliminating the need for any external reference signal. ASC Signal Corporation ensures that each LNB is subjected to a rigorous cycle of quality testing during the manufacturing process. This comprehensive testing requirement provides high quality and dependable units that are ready for operation, minimizing the risk of on-site failures.



SPECIFICATIONS

MODEL 611624506 Standard DRO Ku-band LNB

Electrical Performance

Input Frequency	11.7-12.2 GHz
LO Frequency	10.75 GHz
Output Frequency	950-1450 MHz
Noise Figure	0.6 dB Typical
Gain	60 dB Typical
LO Stability	+/- 750 kHz
Phase Noise	-60 dBc/Hz @ 1 kHz Typical
Output Impedance	75 ohms
Power Requirements	+10 to +24 VDC/120 mA

Mechanical Performance

Input Flange	WR-75
Output Connector	Type F, Female
Weight	~150 g
Dimensions	41 mm x 41 mm x 80 mm

Environmental Performance

Operating Temperature	-40° to +60°C
Relative Humidity	0 to 100%

MODEL 611626301 High Stability DRO Ku-band LNB

Electrical Performance

Input Frequency*	11.7-12.2 GHz
LO Frequency	10.75 GHz
Output Frequency	950-1450 MHz
Noise Figure	0.8 dB Typical
Gain	64 dB Typical
LO Stability	+/- 500 kHz
Phase Noise	-65 dBc/Hz @ 1 kHz Typical
Output Impedance	75 ohms
Power Requirements	+15 to +24 VDC/120 mA

Mechanical Performance

Input Flange	WR-75
Output Connector	Type F, Female
Weight	~120 g
Dimensions	43 mm x 43 mm x 85 mm

Environmental Performance

Operating Temperature	-40° to +60°C
Relative Humidity	0 to 100%

MODEL 611626401 Phase-Lock-Loop Ku-band LNB

Electrical Performance

Input Frequency	11.7-12.2 GHz
LO Frequency	10.75 GHz
Output Frequency	950-1450 MHz
Noise Figure	0.8 dB Typical
Gain	62 dB Typical
LO Stability	+/- 100 kHz
Phase Noise	-65 dBc/Hz @ 1 kHz Typical
Output Impedance	75 ohms
Power Requirements	+15 to +24 VDC/170 mA

Mechanical Performance

Input Flange	WR-75
Output Connector	Type F, Female
Weight	~300 g
Dimensions	42 mm x 42 mm x 110 mm

Environmental Performance

Operating Temperature	-40° to +60°C
Relative Humidity	0 to 100%



ASC Signal Corporation
1315 Industrial Park Drive
Smithfield, NC 27577
USA

Telephone: +1-919-934-9711

Internet: www.ascsignal.com

All designs, specifications and availabilities of products and services presented in this bulletin are subject to change without notice.

ASC-VSAT1

© 2007 ASC Signal Corporation