

Universal and Dual Pol. Single Output LNB KU-Band



Dual Pol. LNB : K-0001

Universal LNB : K-02

Features :

- Suitable for existing analog and digital reception
- Various input frequency range and L.O. for world wide market
- Low phase noise for not only analog also digital reception
- Superior low noise figure & high isolation
- Voltage-controlled H/V switching (13/18 V)
- Excellent D.R.O. stability
- Low harmonic distortion
- Super compact tooling
- C-120 flange option
- Best solution for individual, multi-user, and SMATV system
- Optional for 23 mm feedhorn
- Waterproof guaranteed
- Meet ETSI standard (CE certified)

Specifications : LNB K-0001, LNB K-02

Model No.	K-0001	K-02	
		Low Band	Hi Band
Input Frequency Range	12.25 ~ 12.75 GHz	10.7 ~ 11.7 GHz	11.7 ~ 12.75 GHz
Output Frequency Range	950 ~ 1450 MHz	950 ~ 1950 MHz	1100 ~ 2150 MHz
L.O. Frequency	11.3 GHz	9.75 GHz	10.6 GHz
Noise Figure	0.7 dB (typ.)	0.7 dB (typ.)	
F/D Ratio	0.6	0.6	
Input Reflector Type	Offset	Offset	
Cross Pol. Isolation	30 dB (typ.)	30 dB (typ.)	
Conversion Gain	50 dB (min.) 62 dB (max.)	50 dB (min.) 62 dB (max.)	
Gain Flatness	± 0.5 dB / 27 MHz	± 0.5 dB / 27 MHz	
L.O. Frequency (25°C)	± 1 MHz	± 1 MHz	
Stability (-30°C~ 60°C)	± 3 MHz	± 3 MHz	
L.O. Phase Noise (1 KHz Offset)	- 60 dBc/Hz	- 60 dBc/Hz	
(10 KHz Offset)	- 80 dBc/Hz	- 80 dBc/Hz	
(100 KHz Offset)	- 100 dBc/Hz	- 100 dBc/Hz	
Image Rejection	40 dB (min.)	40 dB (min.)	
Output Power (at 1 dB Gain Compression Point)	0 dBm (min.)	0 dBm (min.)	
Output Return Loss	7.5 dB	7.5 dB	
Output Connector	75 Ω F Type (Female)	75 Ω F Type (Female)	
D.C. Supply Voltage	11.5 ~ 19 V	11.5 ~ 19 V	
D.C. Current Consumption	110 mA (typ.)	110 mA (typ.)	
Polarity Switching Voltage	Vertical : 11.5 ~ 14 V Horizontal : 16 ~ 19 V	Vertical : 11.5 ~ 14 V Horizontal : 16 ~ 19 V	
Band Switching	Low Band Hi Band	-	0 KHz 22 KHz ± 4 KHz continuous tone signal
Operating Temperature	-40°C ~ 60°C	-40°C ~ 60°C	

Specifications are subject to change without notice.

