

Ku-Band LNB / DRO

RLNB-Ku(s)-L-N(f)-PLL-h1



Features:

- L band IF
- Low Phase Noise, harmonics and spurious
- Connectors: F-Type Female

Applications:

- Private Data network
- Telephony backhaul for remote access
- Video teleconferencing
- SCPC, TFMA etc

Options include:

- 1) LNB (PLL or DRO), LNA
- 2) Band:
S-Standard
O-Offset
E-Expanded)

RADITEK's state of the art, field proven design, down converts from Ku Band to L band. IF/output port is either Type "N" or "F" connector. Phase locked Local oscillator requires an external 10MHz reference. All units are built and tested to ISO9001, 14001, and OHSAS1801. Each unit has 3 days burn-in is and thoroughly tested.

Frequency Band	Frequency Range	Output Frequency range	Dimension (LxWxH)	Weight	Voltage	Current	RF I/P connector	RF O/P connector
Ku Band LNB PLL	Standard (10.95 ~ 11.70)	950 - 1700 MHz	140X80X40 mm	400g	15-24VDC	200mA	WR75	F type (F)
	Offset (11.70 ~ 12.20)							
	Extended (12.20 ~ 12.75)							
Ku Band LNB DRO	Standard (10.95 ~ 11.70)	950 - 1450 MHz	80X80X40 mm	300g	12 -24VDC	150mA	WR75	F type (F)
	Offset (11.70 ~ 12.20)							
	Extended (12.25 ~ 12.75)							

Order Examples:

(Block up converter:

Ku (Ku-Band):

TX band:

S-Standard, O-Offset, E-Expanded)

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DRO or PLL

Connectors: F-Type Female, F(f) (Only)

LNB PLL (C Band or Ku Band)	Technical Specification
Noise Temperature	45 K typ. at 25°C
Gain	50 ~ 80 dB
Gain Flatness Over 40MHz	± 1 dB
Gain Flatness Over 750MHz	± 2 dB
Gain Stability	± 2 dB (-20 to 55°C)
Phase Noise	Depend on Ext Ref Frequency
External Reference	10MHz
RF Input VSWR	2:1 typ.
RF Output VSWR	2 :1 typ.
Spurious	55 dBc
Image Rejection	60 dB min
Temperature (Operating)	-40° to 55°C
Temperature (Storage)	-40° to 85°C
Humidity	up to 100%

LNB DRO (C Band or Ku Band)	Technical Specification
Noise Temperature	30 K typ. at 25°C
Gain	50 ~ 80 dB
Gain Flatness Over 40MHz	± 1 dB
Gain Flatness Over 750MHz	± 2 dB
Gain Stability	± 2 dB (-20 to 55°C)
External Reference Frequency	10MHz
RF Input VSWR	2:1 typ.
RF Output VSWR	2 :1 typ.
Spurious	55 dBc
Image Rejection	60 dB min
Temperature (Operating/Storage)	-40° to 55°C / -40° to 85°C
Humidity	up to 100%

RLNB-Ku-L-N-PLL-h1

Specifications may be subject to change

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