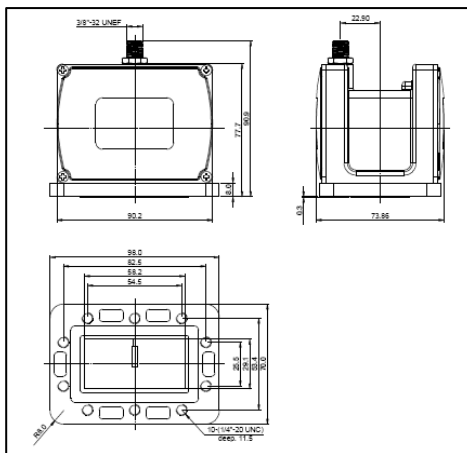


C-Band LNB / PLL

RLNB-Cx-L-N-PLL-h1



Features:

- L band IF
- Low Phase Noise, harmonics and spurious

Applications:

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

Options include:

- Bands: Standard-C, Intelesat, InSat, Palapa-C, Full-C
- Modem Interface: L, 70MHz
- L band interface. Type "N" or "F"
- Phase locked LO

RADITEK's state of the art, field proven design, down converts from C 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
C Band LNB PLL	Intelesat C-Band(3625 ~ 4200)	950 - 1700 MHz	100X130X80 mm	700g	15 - 24VDC	200mA	CPR229	N type (F)
	Palapa C- Band (3400 ~ 3700)							
	INSAT C-Band (4500 ~ 4800)							
	Full C-Band (3400 ~ 4200)							
C Band LNB DRO	Full C-Band (3400 ~ 4200)	950 - 1700 MHz	100X60X80 mm	190g	12 - 20VDC	150mA	CPR229	F type (F)

Order Examples:

C-Band Option (see table below)

L (L-Band) / 70M (70MHz)

RLNB-Cx-L-N(f)-h1

Connector Type: N-Type Female, N(f) / F-Type Female, F(f)

X Option	C-Band Option	Frequency Range
Ci	Intelesat	3625 ~ 4200
Cin	InSat	4500 ~ 4800
Cp	Palapa-C	3400 ~ 3700
Ce	Extended/ Full-C	3400 ~ 4200

RLNB-C-L-N-PLL-h1

Specifications may be subject to change

05/12/10

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C-Band LNB / PLL RLNB-Cx-L-N-PLL-h1

code-h1

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	80 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	80 dB min
Temperature (Operating/Storage)	-40° to 55°C / -40° to 85°C
Humidity	up to 100%

LNB, C Band 3.4~4.2GHz External Reference PLL

Specifications		Units
Local Oscillator Frequency	5.12	GHz
Noise Figure	0.4	dB (Typ.)
Output Power @1dB Gain Comp. Point	0	dBm (min)
External Ref Level	-5 ± 5	dBm
Output VSWR	2.5	:1