

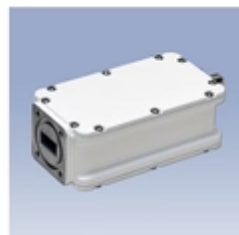


Ku-Band PLL LNB

LNB-100256

Ku-Band PLL LNB LNB-100256

Ku-Band PLL LNB, 11.7–12.2 GHz input frequency, 1022–1522 MHz output frequency, 10.678 GHz LO frequency, External 10 MHz reference, N-type female connector, 0.8 dB typical noise figure, 60 dB typical conversion gain, WR-75 waveguide input, +12 to +24 VDC, IP67, -40°C to +60°C.



KEY SPECIFICATIONS

Band	Ku-Band
External Ref Freq	10 MHz, -5 to +5 dBm
Image Rejection	40 dBc min
Input Frequency Band	11.7 - 12.2 GHz
L.O Stability	External: depends on ext. ref.
LO Frequency	10.678 GHz
LO Type	EXT
Noise Figure	0.8 dB typ., 0.9 dB max.
Number Of Onboard LOs	Single-Band
Output Frequency Band 1	1022 - 1522 MHz
Phase Noise 100kHz Offset Max	-95 dBc
Phase Noise 10kHz Offset Max	-80 dBc
Phase Noise 1kHz Offset Max	-70 dBc
Product Revision	A

RF SPECIFICATIONS

Conversion Gain	60 dB typ. (55 dB min., 65 dB max.)
Gain Ripple At Per 36 MHz	1 dBp-p max.
Gain Flatness (Over Full Band)	4 dB p-p max
Input VSWR	2.5 : 1 max.
Output P1dB	+ 5 dBm min.
Output VSWR	2.5 : 1 max.

ELECTRICAL SPECIFICATIONS

Current Consumption	350 mA max.
Power Requirements	+12 to +24 VDC

INTERFACE SPECIFICATIONS

IF Connector	N-type female
RF Input Connector	WR-75 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS



Temperature Operational	-40 to +60°C
Waterproof	IP67

PHYSICAL SPECIFICATIONS

Product Dimension	60.0 × 41.6 × 111.5 mm
Product Weight	0.38 kg

SHIPPING INFORMATION

HS Code	8517690000
Country of Origin	Made in the Republic of Korea
Ex Works	Richmond, BC, Canada
ECCN Number	EAR99
Warranty	1 year
Unit Package Dimensions	60 x 42 x 128 mm
Unit Package Weight	0.40 kg
Total Aluminium Content	-
Aluminum Country of Smelt and Cast	-
Total Aluminium Value	-



MECHANICAL DIAGRAMS

