

LNB-100207

1000 Ku-Band Simultaneous Band LNB

Frequency: L 10.95 - 11.7 GHz | H 11.7 - 12.75 GHz

L.O Stability: ± 5 kHz

Output Connector: N: 50 Ohm



KEY SPECIFICATIONS

Band	Ku-Band
Input Frequency Band 1	L:10.95 - 11.70 GHz
Input Frequency Band 2	H: 11.70 - 12.75 GHz
LO Frequency 1	L: 10.00 GHz
LO Frequency 2	H: 10.75 GHz
LO Stability	± 5 kHz
LO Type	PLL
Noise Figure Max	0.85 dB
Noise Figure Typ	0.8 dB
Number Of Onboard Los	Simultaneous-Band
Output Frequency Band 1	L: 950 - 1700 MHz
Output Frequency Band 2	H: 950 - 2000 MHz

RF SPECIFICATIONS

Conversion Gain Max	62 dB
Conversion Gain Min	50 dB
Conversion Gain Typ	55 dB
Gain Flatness (over Full Band)	≤ 4 dB p-p
Input VSWR	2.2 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.0 : 1 max.
Phase Noise 1khz Offset Max	-70 dBc/Hz
Phase Noise 10khz Offset Max	-80 dBc/Hz
Phase Noise 100khz Offset Max	-95 dBc/Hz

ELECTRICAL SPECIFICATIONS

Current Consumption	450 mA max. (each band)
Power Requirements	+12 to +24V DC (each band)

INTERFACE SPECIFICATIONS



IF Connector

N-Connector

RF Input Connector

WR-75 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

IP Rating

IP 67

Temperature Operational

-40 to +60°C

Temperature Storage

-50 to +70°C

PHYSICAL SPECIFICATIONS

Product Height

40 mm

Product Length

155 mm

Product Weight

0.45 kg

Product Width

42 mm

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in the Republic of Korea	Richmond, BC, Canada	EAR99	145 x 95 x 65 mm

MECHANICAL DIAGRAMS

