



1008DXF-1

1000 Ku-Band Simultaneous Band EXT REF LNB

Frequency: 1: L 10.7 - 11.7 GHz | H 11.7 - 12.75 GHz

Output Connector: F: 75 Ohm

Norsat's Low Noise Blocks (LNBs) provide signal reception for satellite communications around the world. We offer premium performance and reliability in the smallest form factor possible. All of our standard Ku-Band LNBs are backed by a 3 year warranty and nearly forty years of experience as the industry's leading provider of high performance LNBs

Note: The products are available in two distinct revisions. For detailed specifications and differences, please refer to the respective datasheets for each version in the document section below.



KEY SPECIFICATIONS

Band	Ku-Band
Input Frequency Band 1	L: 10.70 - 11.70 GHz
Input Frequency Band 2	H: 11.70 - 12.75 GHz
LO Frequency 1	L: 9.75 GHz
LO Frequency 2	H: 10.75 GHz
LO Stability	Ext Ref
LO Type	EXT
Noise Figure Max	.85 dB
Noise Figure Typ	0.8 dB
Number Of Onboard LOs	Simultaneous Band
Output Frequency Band 1	L: 950 - 1950 MHz
Output Frequency Band 2	H: 950 - 2000 MHz
Product Revision	D

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	Depends on External Reference
Phase Noise 10kHz Offset Max	Depends on External Reference
Phase Noise 100kHz Offset Max	Depends on External Reference

ELECTRICAL SPECIFICATIONS





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

INTERFACE SPECIFICATIONS

IF Connector	L: 950 - 1950 MHz
RF Input Connector	WR-75 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

Temperature Operational	-40°C to +60°C
Temperature Storage	-50 to +70°C

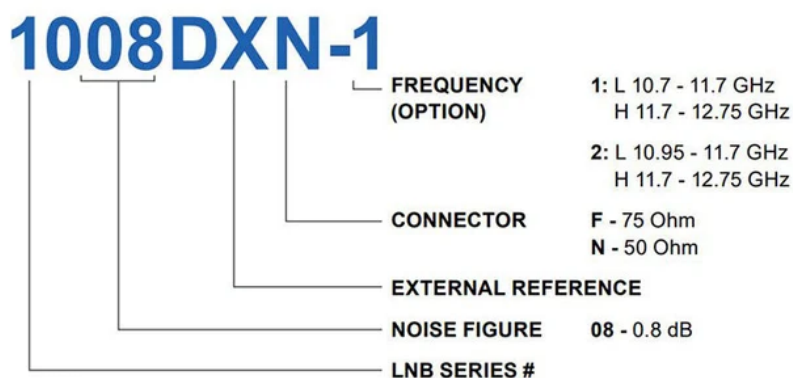
PHYSICAL SPECIFICATIONS

Product Height	0.04 m
Product Length	0.155 m
Product Weight	0.45 kg
Product Width	0.042 m

SHIPPING INFORMATION

HS Code	8517690000
Country of Origin	Made in the Republic of Korea
Ex Works	Richmond, BC, Canada
ECCN Number	EAR99
Warranty	3 years
Unit Package Dimensions	145 x 95 x 65 mm
Unit Package Weight	-
Total Aluminium Content	0.328 kg
Aluminum Country of Smelt and Cast	-
Total Aluminium Value	\$ 0.82

HOW TO ORDER





MECHANICAL DIAGRAMS

