



1008XDFF

1000 Dual-Band Ku-Band Ext REF LNB

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 C-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. 1000XDF Series.



KEY SPECIFICATIONS

Band	Ku-Band
External Ref Freq	10 MHz (sine-wave), - 5 to +5 dBm
Input Frequency Band 1	10.70 - 11.70 GHz
Input Frequency Band 2	11.70 - 12.75 GHz
LO Frequency 1	9.75 GHz
LO Frequency 2	10.60 GHz
LO Stability	Ext Ref
LO Type	EXT
Noise Figure Max	0.9 dB
Noise Figure Typ	0.8 dB
Number Of Onboard LOs	Dual-Band
Output Frequency Band 1	950 - 1950 MHz
Output Frequency Band 2	1100 - 2150 MHz
Product Revision	C

RF SPECIFICATIONS

Control Signal 1	13V / No Tone
Control Signal 2	18V / No Tone
Conversion Gain Max	65 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (Over Full Band)	≤ 5 dB p-p
Input VSWR	2.3 : 1 max.
Output P1dB	+ 5 dBm min.
Output VSWR	2.3 : 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	350 mA max
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Power Requirements +12 to +24V DC

INTERFACE SPECIFICATIONS

IF Connector Waterproof F-Connector
RF Input Connector Waterproof WR-75 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

IP Rating IP 67
Temperature Operational -40 to +60°C
Temperature Storage -40 to +80°C

PHYSICAL SPECIFICATIONS

Product Height 42 mm
Product Length 128 mm
Product Weight 0.4 kg
Product Width 60 mm

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 0.284 kg
Aluminum Country of Smelt and Cast Made in the Republic of Korea
Total Aluminium Value 0.71

HOW TO ORDER





MECHANICAL DIAGRAMS

