

1008XDFN

1000 Dual-Band Ku-Band Ext REF LNB

Connector: N: 50 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.

REACH



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	External
Noise Figure Max	0.9 dB
Noise Figure Typ	0.8 dB
Of Onboard Los	Dual-band
Output Frequency Band 1	950 - 1950 MHz
Output Frequency Band 2	1100 - 2150 MHz

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	2.0 : 1 max.
Phase Noise 100khz Offset Max	Depends on External Reference



ELECTRICAL SPECIFICATIONS

Current Consumption	350 mA
Power Requirements	+12 to +24V DC

INTERFACE SPECIFICATIONS

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

ENVIRONMENTAL SPECIFICATIONS

Temperature Operational	-40 to +60°C
Temperature Storage	-40 to +80°C

PHYSICAL SPECIFICATIONS

Product Height	40 mm
Product Length	128 mm
Product Weight	0.4 kg
Product Width	60 mm

LOGISTICS SPECIFICATIONS

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

HOW TO ORDER

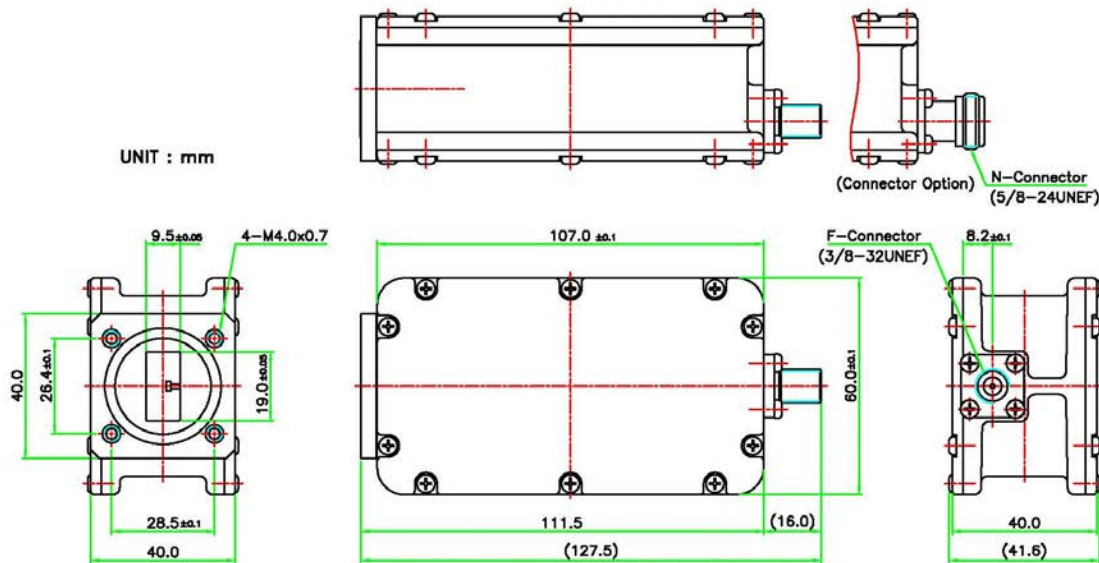


MECHANICAL DIAGRAMS



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