



XT1000HF

1000 X-Band Auto-Reference Single Band PLL LNB

Connector: F: 75 Ohm

AUTO-REF: Automatically switches to Internal PLL in the absence of an EXT REF 10MHz signal

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 X-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.



KEY SPECIFICATIONS

Band	X-Band
External Ref Freq	10 MHz (sine-wave), - 5 to +5 dBm
Input Frequency Band 1	7.25 - 7.75 GHz
LO Frequency 1	6.30 GHz
LO Stability	±10 kHz
LO Type	Auto-reference
Noise Figure Max	0.7 dB
Noise Figure Typ	0.6 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1450 MHz

RF SPECIFICATIONS

Conversion Gain Max	65 dB
Conversion Gain Min	56 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	≤ 4 dB p-p
Input VSWR	2.0 : 1 max.
Output P1db	+ 10 dBm min.
Output VSWR	2.0 : 1 max.

ELECTRICAL SPECIFICATIONS

Current Consumption	270 mA max.
Power Requirements	+15 to +24V DC

INTERFACE SPECIFICATIONS

IF Connector	F-connector 75 Ohm (waterproof)
RF Input Connector	WR-112 waveguide grooved (waterproof)

M and C SPECIFICATIONS

Led Indicators	None
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ENVIRONMENTAL SPECIFICATIONS

Humidity	0 - 95%
IP Rating	IP 67
Temperature Operational	-40°C to +60°C

PHYSICAL SPECIFICATIONS

Product Height	59 mm
Product Length	134 mm
Product Weight	0.6 kg
Product Width	70 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

HOW TO ORDER

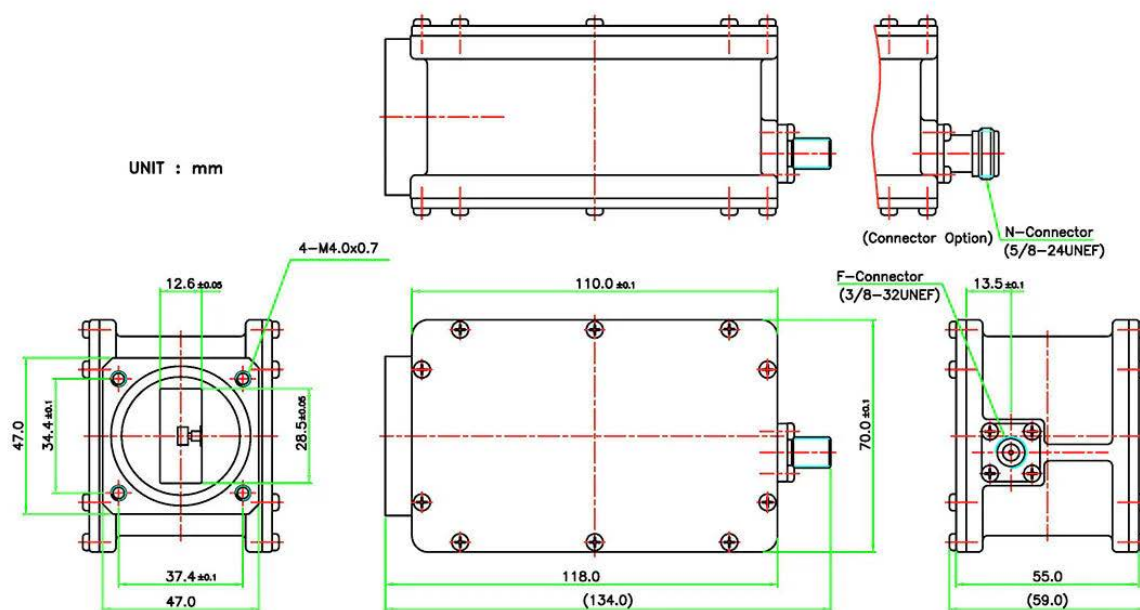


MECHANICAL DIAGRAMS



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