



Q1000HN

Q-Band Single Band PLL 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 Q-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	Q-Band
Input Frequency Band 1	40.50 - 41.00 GHz
LO Frequency 1	39.55 GHz
LO Stability	±50 kHz
LO Type	PLL
Noise Figure Max	3 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1450 MHz

RF SPECIFICATIONS

Conversion Gain Max	60 dB
Conversion Gain Min	50 dB
Gain Flatness (over Full Band)	≤ 3 dB p-p max.
Input VSWR	2.0 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	1.8 : 1 max.
Phase Noise 100khz Offset Max	-90 dBc/Hz

ELECTRICAL SPECIFICATIONS

Current Consumption	1000 mA max.
Power Requirements	+8 to +13V DC

INTERFACE SPECIFICATIONS

IF Connector	N-Connector
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RF Input Connector

WR-22 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

Temperature Operational

-40 to +50°C

Temperature Storage

-40 to +80°C

PHYSICAL SPECIFICATIONS

Product Height

39 mm

Product Length

146 mm

Product Weight

0.7 kg

Product Width

55 mm

LOGISTICS SPECIFICATIONS

HS Code

Country of Origin

Ex Works

ECCN Number

Unit Package

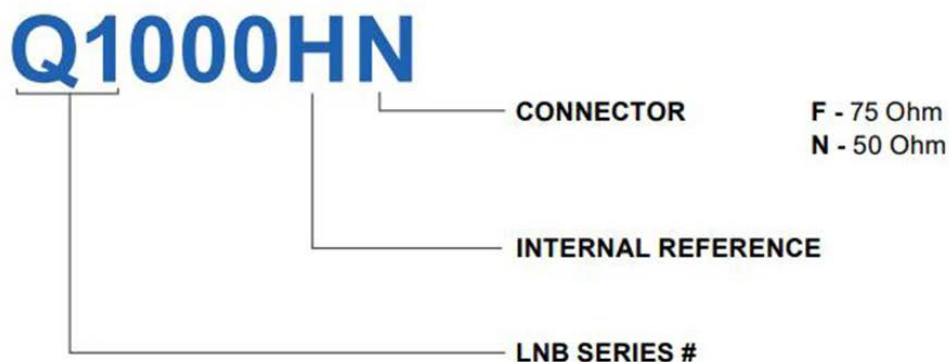
Made in the Republic of
Korea

Richmond, BC, Canada

EAR99

146 x 55 x 39 mm |

HOW TO ORDER



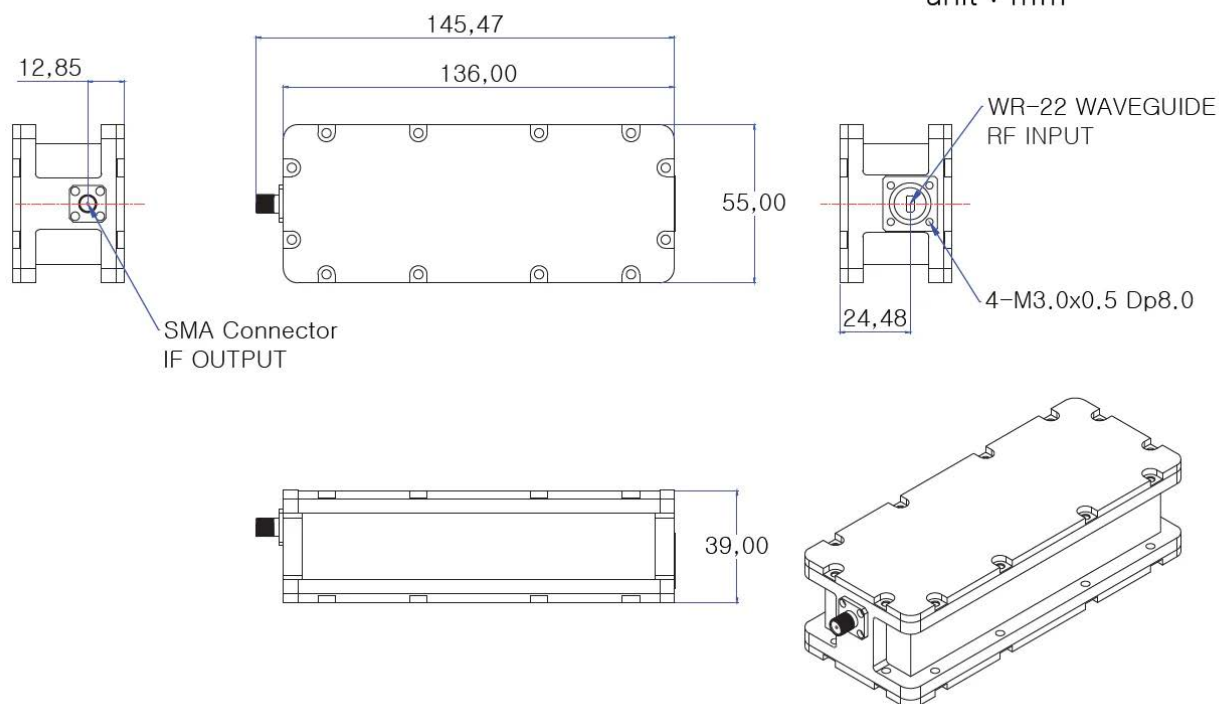
MECHANICAL DIAGRAMS



Norsat
International Inc.

Innovative Communication Solutions

unit : mm



ESATCOM
INC

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