



Q1000HF

Q-Band Single Band PLL 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 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.



REACH



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 Loks | 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 | F-Connector |
|---------------------|-------------|



RF Input Connector

WR-22 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

| | |
|-------------------------|--------------|
| Temperature Operational | -40 to +50°C |
| Temperature Storage | -40 to +80°C |

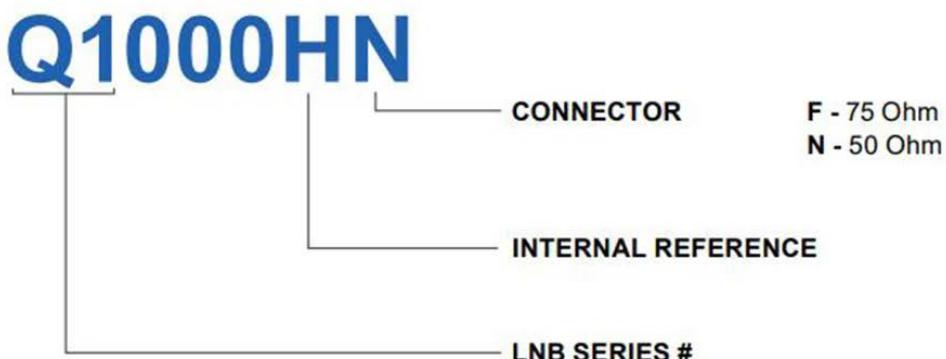
PHYSICAL SPECIFICATIONS

| | |
|----------------|--------|
| 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 |
|------------|-------------------------------|----------------------|-------------|------------------|
| 8517690000 | Made in the Republic of Korea | Richmond, BC, Canada | EAR99 | 146 x 55 x 39 mm |

HOW TO ORDER



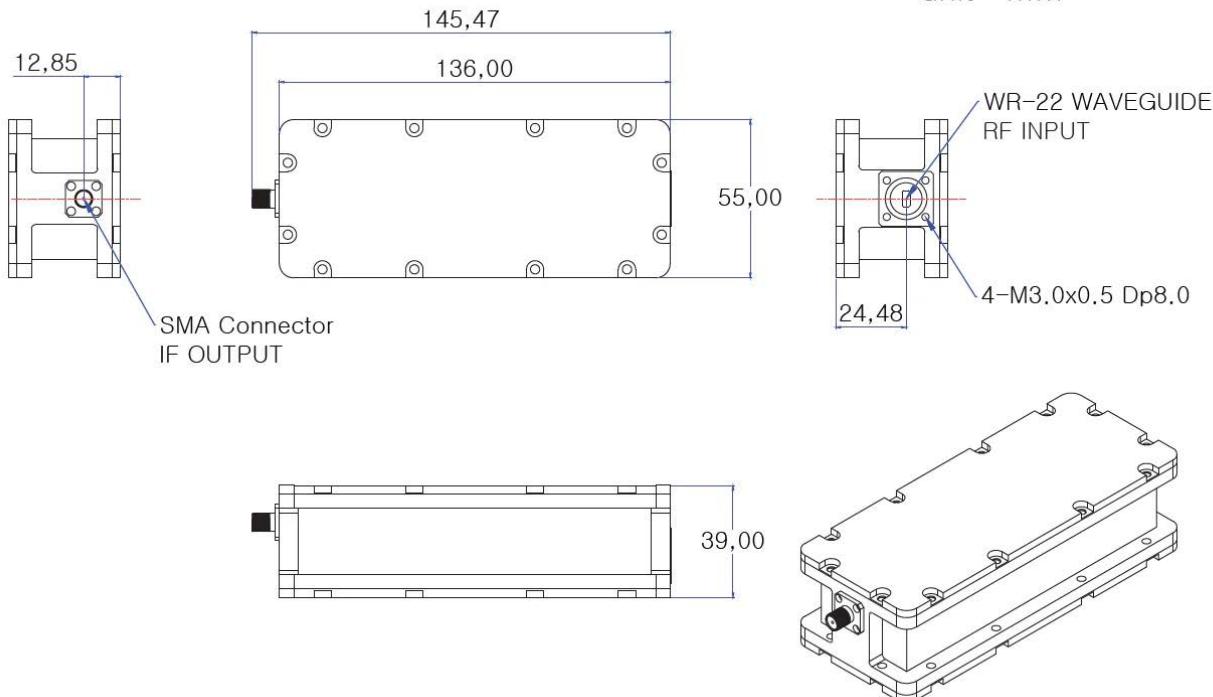
MECHANICAL DIAGRAMS



Norsat
International Inc.

Innovative Communication Solutions

unit : mm



n | Norsat
International Inc.

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INC

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