Norsat International Inc.

Innovative Communication Solutions

LNB

Q-BAND PLL

Q1000H

TYPICAL SPECIFICATIONS

Noise Figure	3 dB max. at room temp. @ CF
L.O. Stability	± 50 KHz max.
Phase Noise (SSB) max.	-70 dBc/Hz at 1 kHz -80 dBc/Hz at 10 kHz -90 dBc/Hz at 100 kHz
Input VSWR	2.0 : 1 max.
Output VSWR	1.8 : 1 max.
Gain	50 dB min., 60 dB max.
Gain Flatness (over full band)	≤ 3 dB p-p max.
Output P1dB	+ 5 dBm min.

DC Power	+ 8V to + 13V DC
Current	1000 mA max.
Input (waterproof)	WR-22 waveguide grooved
Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm)
Dimensions (L x W x H)	146 mm x 55 mm x 39 mm (5.75 in x 2.16 in x 1.53 in)
Weight	700 g
Operating Temperature	- 40 to + 50˚C
Storage Temperature	- 40 to + 80˚C

FREQUENCY BANDS AVAILABLE

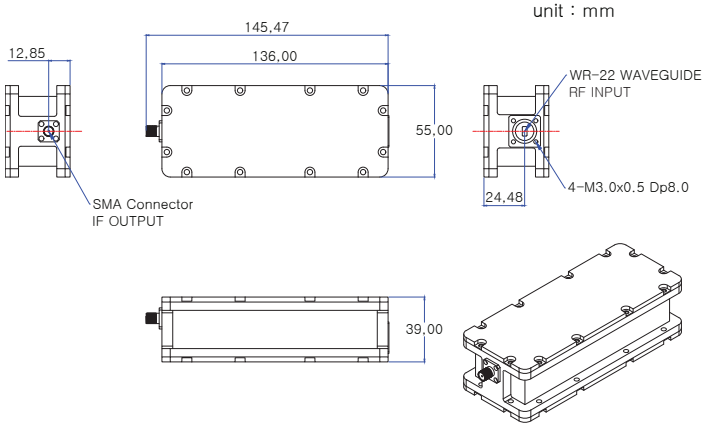
Frequency Band (GHz)	40.5 - 41.0
L.O. Frequency (GHz)	39.55
IF Frequency (MHz)	950 - 1450

HOW TO ORDER

Q1000HN

- **CONNECTOR** — **F -** 75 Ohm, **N -** 50 Ohm
- **INTERNAL REFERENCE**
- **LNB SERIES #**

MECHANICAL DIAGRAM



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