



9000HD-3F

9000 Single Band Ka-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 Ka-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. 9000HD-3 Series.



KEY SPECIFICATIONS

Band	Ka-Band
Input Frequency Band 1	21.20 - 22.20 GHz
LO Frequency 1	20.25 GHz
LO Stability	±50 kHz
LO Type	PLL
Noise Figure Typ	1.6 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1950 MHz

RF SPECIFICATIONS

Conversion Gain Typ	58 dB
Gain Flatness (over Full Band)	+/- 2 dB max
Image Rejection	40 dBc min.
Input VSWR	2.2 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.0 : 1 max.
Phase Noise 0.1khz Offset Max	-60 dBc/Hz
Phase Noise 1khz Offset Max	-70 dBc/Hz
Phase Noise 10khz Offset Max	-80 dBc/Hz

ELECTRICAL SPECIFICATIONS

Current Consumption	300 mA
Power Requirements	+12 to +24V DC



INTERFACE SPECIFICATIONS

IF Connector	F-Connector
RF Input Connector	WR-42

M and C SPECIFICATIONS

Led Indicators	None
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ENVIRONMENTAL SPECIFICATIONS

IP Rating	IP 67
Temperature Operational	-40°C to +60°C

PHYSICAL SPECIFICATIONS

Product Height	40 mm
Product Length	101.4 mm
Product Weight	0.3 kg
Product Width	42.5 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	

HOW TO ORDER

9000HD-3F

CONNECTOR

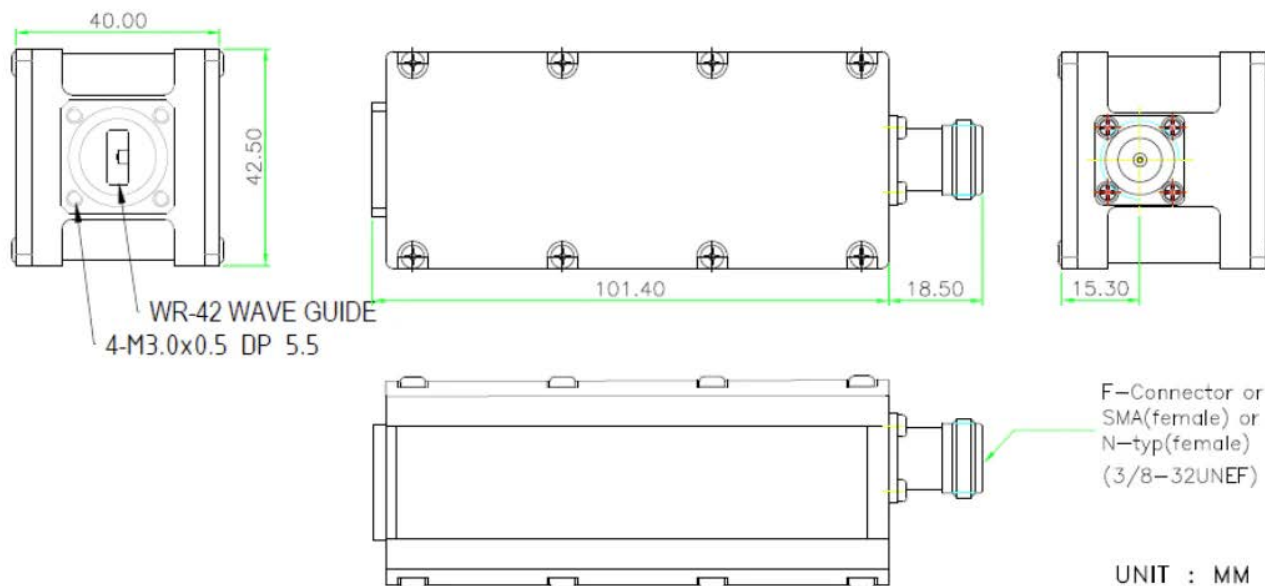
F - 75 Ohm
N - 50 Ohm

MECHANICAL DIAGRAMS



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Innovative Communication Solutions



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INC

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