

9200HT-3N

9000 Triple-Band Ka-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 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. 9000HT-3 Series.



KEY SPECIFICATIONS

Band	Ka-Band
Input Frequency Band 1	17.30 - 19.30 GHz
Input Frequency Band 2	18.30 - 19.30 GHz
Input Frequency Band 3	19.30 - 20.20 GHz
LO Frequency 1	16.35 GHz
LO Frequency 2	17.35 GHz
LO Frequency 3	18.35 GHz
LO Stability	±25 kHz
LO Type	PLL
Noise Figure Max	2.0 dB
Noise Figure Typ	1.6 dB
Number Of Onboard Los	Triple-Band
Output Frequency Band 1	950 - 1950 MHz
Output Frequency Band 2	950 - 1950 MHz
Output Frequency Band 3	950 - 1950 MHz
Tone Frequency	22 kHz ± 4 kHz

RF SPECIFICATIONS

Control Signal 1	13V / No Tone
Control Signal 2	18V / No Tone
Control Signal 3	13V / 22kHz Tone
Conversion Gain Max	70 dB
Conversion Gain Min	58 dB

Conversion Gain Typ	65 dB
Gain Flatness	±2 dB max.
Image Rejection	40 dBc min.
Input VSWR	2.5 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.0 : 1 max.
Phase Noise 1khz Offset Max	-70 dBc/Hz
Phase Noise 10khz Offset Max	-80 dBc/Hz
Phase Noise 100khz Offset Max	-90 dBc/Hz
Spurious	-60 dBc (in band) ; -50 dBc (out of band)

ELECTRICAL SPECIFICATIONS

Current Consumption	400 mA
Power Requirements	+11 to +26V DC

INTERFACE SPECIFICATIONS

IF Connector	N-Connector
RF Input Connector	WR-42 waveguide grooved

M and C SPECIFICATIONS

Led Indicators	None
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ENVIRONMENTAL SPECIFICATIONS

IP Rating	IP 67
Temperature Operational	-40°C to +60°C
Temperature Storage	-40 to +80°C

PHYSICAL SPECIFICATIONS

Product Height	39 mm
Product Length	133 mm
Product Weight	0.5 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	133 x 70 x 44 mm 0.5 kg

HOW TO ORDER



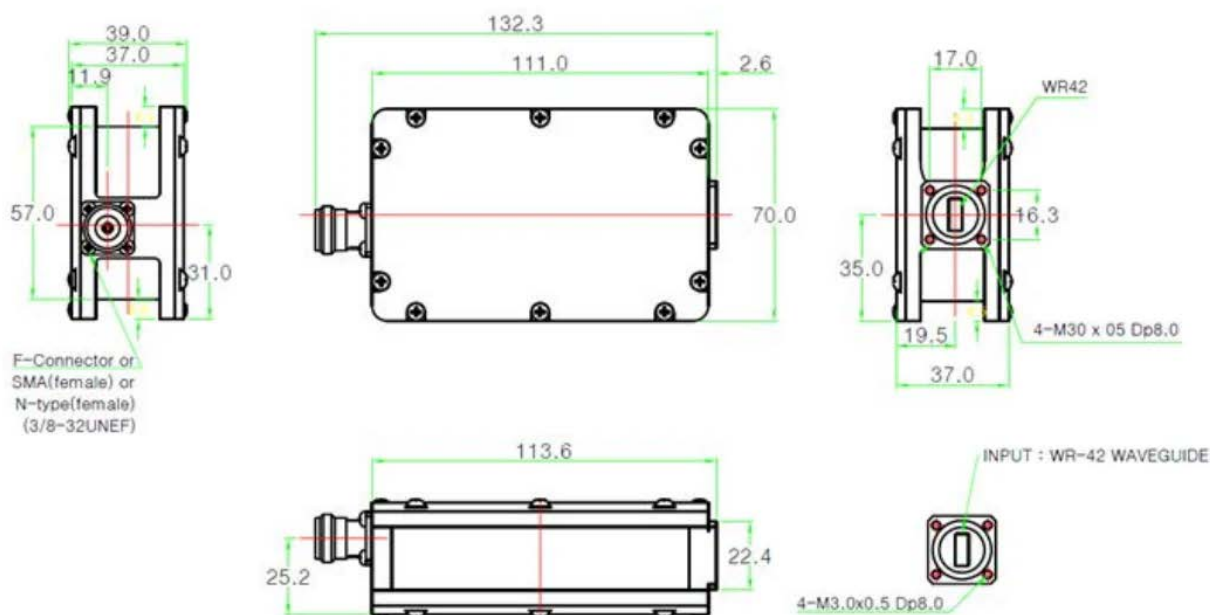
Norsat
International Inc.

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9200HT-3F

CONNECTOR	F - 75 Ohm N - 50 Ohm
FREQUENCY	Band 1 & 2 & 3
INTERNAL REFERENCE	
L.O. STABILITY	2: ± 25 kHz
LNB SERIES #	

MECHANICAL DIAGRAMS



Norsat
International Inc.

ESATCOM
INC

Norsat authorized distributor

Esatcom Inc.

3628 Francis Lewis Blvd.

Flushing, NY 11358

www.esatcom.com

Tel: 718.799.0084

Email: sales@esatcom.com