



LNB

KA-BAND QUAD BAND EXT REF 9000X4

SPECIFICATIONS

Noise Figure	2.0 dB max. at room temp. @ CF
L.O. Stability	Phase Locked to External Reference
Phase Noise (SSB) max.	Depends on External Reference
Input VSWR	3.5 : 1 max. - no isolator 1.3 : 1 max. - with isolator
Output VSWR	2.0 : 1 max.
Gain	62 dB typ., 58 dB min., 65 dB max.
Gain Flatness (over full band)	≤ 4 dB p-p
Output P1dB	+ 10 dBm min.



DC Power	+ 12V to + 24V DC (See below for Band Select)	
Tone:	Frequency	22 kHz \pm 4 kHz
	Amplitude Voltage	0.6 \pm 0.2 V
	Duty Cycle	50% \pm 10%
Current	350 mA max.	
Input (waterproof)	WR-42 waveguide grooved	
Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm)	
Dimensions (L xW x H)	134 mm x 67 mm x 37 mm (5.28 in x 2.6 in x 1.5 in) - no isolator 156 mm x 67 mm x 37 mm (6.1 in x 2.6 in x 1.5 in) - with isolator	
Weight	550 g (19.40 oz)	
Operating Temperature	- 40 to + 60°C	
Storage Temperature	- 40 to + 80°C	
External Ref Freq	10 MHz (sine-wave), -5 to +5 dBm	

FREQUENCY BANDS

Model		Band 1 (13V)	Band 2 (13V / 22 kHz Tone)	Band 3 (18V)	Band 4 (18V / 22 kHz Tone)
EC	Frequency Band (GHz)	17.20 - 18.20	18.20 - 19.20	19.20 - 20.20	20.20 - 21.20
	L.O. Frequency (GHz)	16.25	17.25	18.25	19.25
	IF Frequency (MHz)	950 - 1950	950 - 1950	950 - 1950	950 - 1950
AD	Frequency Band (GHz)	18.20 - 19.20	19.20 - 20.20	20.20 - 21.20	21.20 - 22.20
	L.O. Frequency (GHz)	17.25	18.25	19.25	20.25
	IF Frequency (MHz)	950 - 1950	950 - 1950	950 - 1950	950 - 1950





Norsat
International Inc.

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HOW TO ORDER

9000XI4ADN

CONNECTOR

F - 75 Ohm
N - 50 Ohm

FREQUENCY

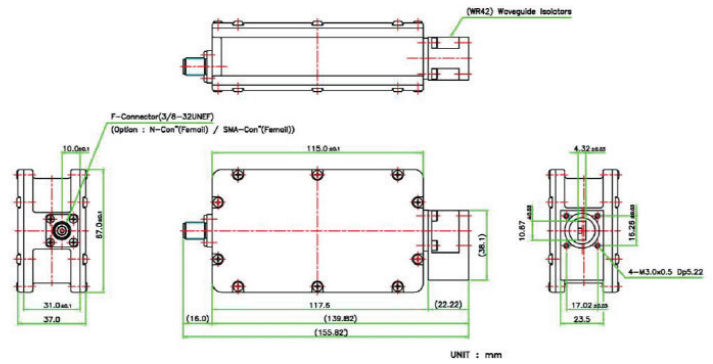
AD or EC

(BLANK) - NO ISOLATOR
I - ISOLATOR

EXTERNAL REFERENCE

LNB SERIES #

MECHANICAL DIAGRAM



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