Norsat International Inc.

Innovative Communication Solutions

LNB

KA-BAND DUAL BAND PLL

9000HA/D

SPECIFICATIONS

Noise Figure	1.6 - 1.8 dB max. at room temp. @ CF
L.O. Stability	± 25 kHz, ± 50kHz
Phase Noise (SSB) max.	-70dBc at 1kHz -78dBc at 10kHz -95dBc at 100kHz
Input VSWR	2.5 : 1 max.
Output VSWR	2.5 : 1 max.
Gain	60 dB typ., 55 dB min., 65dB max.
Gain Flatness| (over full band)	≤ 5 dB p-p
Output P1dB	+ 5 dBm min.

DC Power	+ 12V to + 24V DC (see below for Band Select)
Current	400mA max.
Input (waterproof)	WR-42 waveguide grooved
Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm)
Dimensions (L x W x H)	118 mm x 60 mm x 45 mm (4.65 in x 2.4 in x 1.8 in)
Weight	400 g (14.11 oz)
Operating Temperature	- 40 to +60°C
Storage Temperature	- 40 to +80°C

FREQUENCY BANDS

Model		Band 1 (13V)	Band 2 (18V)
AB	**Frequency Band (GHz)**	18.2 - 19.2	19.2 - 20.2
	L.O. Frequency (GHz)	17.25	18.25
	IF Frequency (MHz)	950 - 1950	950 - 1950
BC	**Frequency Band (GHz)**	19.2 - 20.2	20.2 - 21.2
	L.O. Frequency (GHz)	18.25	19.25
	IF Frequency (MHz)	950 - 1950	950 - 1950
CD	**Frequency Band (GHz)**	20.2 - 21.2	21.2 - 22.2
	L.O. Frequency (GHz)	19.25	20.25
	IF Frequency (MHz)	950 - 1950	950 - 1950

CE

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sales@norsat.com
www.norsat.com

PUB000696 Rev B

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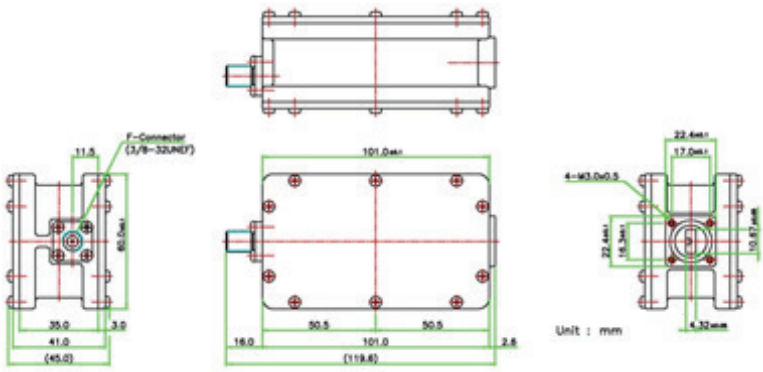
HOW TO ORDER

9200HABN

CONNECTOR	**F -** 75 Ohm **N -** 50 Ohm
FREQUENCY	**AB,BC or CD**
INTERNAL REFERENCE	
L.O. STABILITY	**2:** ± 25 kHZ **5:** ± 50 kHZ
LNB SERIES #	

MECHANICAL DIAGRAM



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