



Norsat
International Inc.

Innovative Communication Solutions

LNB

KA-BAND TRIPLE BAND PLL

9000HT-3

SPECIFICATIONS

Noise Figure	1.6 dB typ., 2.0 dB max. at room temp. @ CF
L.O. Stability	±25 kHz
Phase Noise (SSB) max.	-70 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -90 dBc/Hz at 100 kHz
Input VSWR	2.5 : 1 max.
Output VSWR	2.2 : 1 max.
Gain	65dB typ., 58 dB min., 70dB max.
Gain flatness (over 1000 MHz)	≤ 4 dB p-p
Output P1dB	+ 5 dBm min.



DC power	+11 to +26 V
Tone:	Frequency 22 kHz ± 4 kHz Amplitude Voltage 0.6 ± 0.2 V Duty Cycle 50% ± 10%
Current	400 mA max.
Input (waterproof)	WR-42 waveguide grooved
Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm)
Dimensions (L x W x H)	133 mm x 70 mm x 39 mm (5.24 in x 2.8 in x 1.5 in)
Weight	500 g (17.64 oz)
Operating Temperature	- 40 to + 60°C
Storage Temperature	- 40 to + 80°C

FREQUENCY BANDS

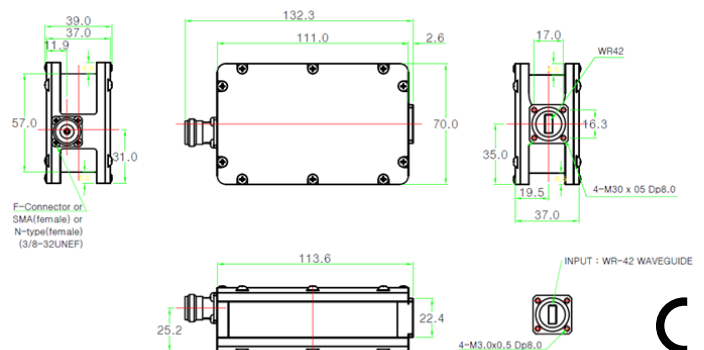
	Band 1 (13V)	Band 2 (18V)	Band 3 (13V / 22 kHz Tone)
Frequency Band (GHz)	17.30 - 18.30	18.30 - 19.30	19.30 - 20.20
L.O. Frequency (GHz)	16.35	17.35	18.35
IF Frequency (MHz)	950 - 1950	950 - 1950	950 - 1850

HOW TO ORDER

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 DIAGRAM



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