



**Norsat**  
International Inc.

Innovative Communication Solutions

# LNB

## KA-BAND TRIPLE BAND PLL

### 9000HT-3



#### TYPICAL SPECIFICATIONS

<b>Noise Figure</b>	1.6 dB typ., 2.0 dB max. at room temp. @ CF	<b>DC power</b>	
<b>L.O. Stability</b>	±25 kHz, ±50 kHz	A0-band	13 V
<b>Phase Noise (SSB) max.</b>	-70 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -90 dBc/Hz at 100 kHz	A-band	18 V
<b>Input VSWR</b>	2.5 : 1 max.	B-band	13 V + 22 KHz tone
<b>Output VSWR</b>	2.5 : 1 max.	<b>Tone:</b>	<b>Frequency</b> 22 kHz ± 4 kHz
<b>Gain</b>	65dB typ., 58 dB min., 70dB max.	<b>Amplitude</b> 0.6 ± 0.2 V	<b>Voltage</b>
<b>Gain flatness</b> (over 1000 MHz)	≤ 4 dB p-p max.	<b>Duty Cycle</b> 50% ± 10%	
<b>Output P1dB</b>	+ 5 dBm min.	<b>Current</b>	400 mA max.
		<b>Input (waterproof)</b>	WR-42 waveguide grooved
		<b>Output (waterproof)</b>	F-Connector (75 Ohm) N-Connector (50 Ohm)
		<b>Dimensions (L x W x H)</b>	114 mm x 70 mm x 39 mm (4.5 in x 2.8 in x 1.5 in)
		<b>Weight</b>	500 g
		<b>Operating Temperature</b>	- 40 to + 60°C
		<b>Storage Temperature</b>	- 40 to + 80°C

#### FREQUENCY BANDS AVAILABLE

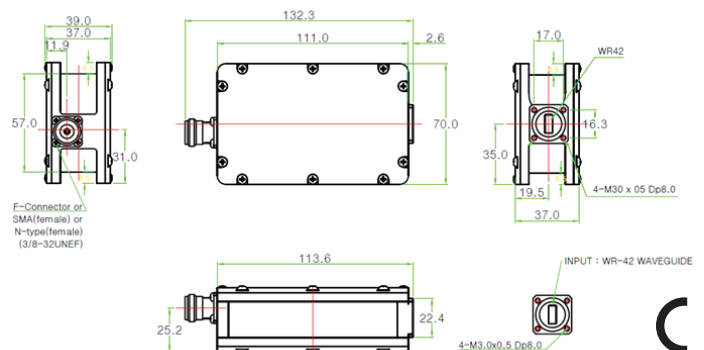
	<b>Band 1</b> (13V)	<b>Band 2</b> (13V / 22 kHz Tone)	<b>Band 3</b> (18V)
<b>Frequency Band (GHz)</b>	17.30 - 18.30	18.30 - 19.30	19.30 - 20.20
<b>L.O. Frequency (GHz)</b>	16.35	17.35	18.35
<b>IF Frequency (MHz)</b>	950 - 1950	950 - 1950	950 - 1850

#### HOW TO ORDER

### 9200HTF-3

CONNECTOR	F - 75 Ohm N - 50 Ohm
FREQUENCY	A0&A&B
INTERNAL REFERENCE	
L.O. STABILITY	2: ±25 kHz 5: ±50 kHz
LNB SERIES #	

#### MECHANICAL DIAGRAM



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