



# LNB

## KA-BAND PLL TRIPLE BAND 9000HT



### SPECIFICATIONS

<b>Noise Figure</b>	1.6 - 1.8 dB max. at room temp. @ CF
<b>L.O. Stability</b>	± 25kHz, ± 50 kHz
<b>Phase Noise (SSB) max.</b>	-70 dBc/Hz at 1kHz -78 dBc/Hz at 10kHz -95 dBc/Hz at 100 kHz
<b>Input VSWR</b>	2.5 : 1 max.
<b>Output VSWR</b>	2.5 : 1 max.
<b>Gain</b>	60 dB typ., 55 dB min, 65 dB max.
<b>Gain Flatness</b> (over 1000 MHz)	≤ 5 dBp-p
<b>Output P1dB</b>	+ 5 dBm min.

<b>DC Power</b>	+ 12V to + 24V DC (see below for Band Select)
<b>Tone:</b>	<b>Frequency</b> 22 kHz ± 4 kHz <b>Amplitude Voltage</b> 0.6 ± 0.2 V <b>Duty Cycle</b> 50% ± 10%
<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>	120 mm x 60 mm x 45 mm (4.7 in x 2.4 in x 1.8 in)
<b>Weight</b>	400 g (14.11 oz)
<b>Operating Temperature</b>	- 40 to + 60°C
<b>Storage Temperature</b>	- 40 to + 80°C

### FREQUENCY BANDS

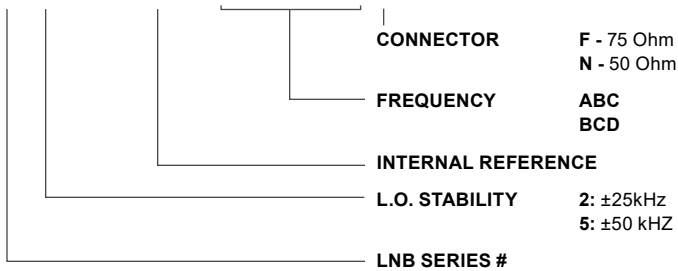
Model		Band 1 (13V)	Band 2 (18V)	Band 3 (18V / 22KHz Tone)
ABC	<b>Frequency Band (GHz)</b>	18.20 - 19.20	19.20 - 20.20	20.20 - 21.20
	<b>L.O. Frequency (GHz)</b>	17.25	18.25	19.25
	<b>IF frequency (MHz)</b>	950 - 1950	950 - 1950	950 - 1950
BCD	<b>Frequency Band (GHz)</b>	19.20 - 20.20	20.20 - 21.20	21.20 - 22.20
	<b>L.O. Frequency (GHz)</b>	18.25	19.25	20.25
	<b>IF frequency (MHz)</b>	950 - 1950	950 - 1950	950 - 1950



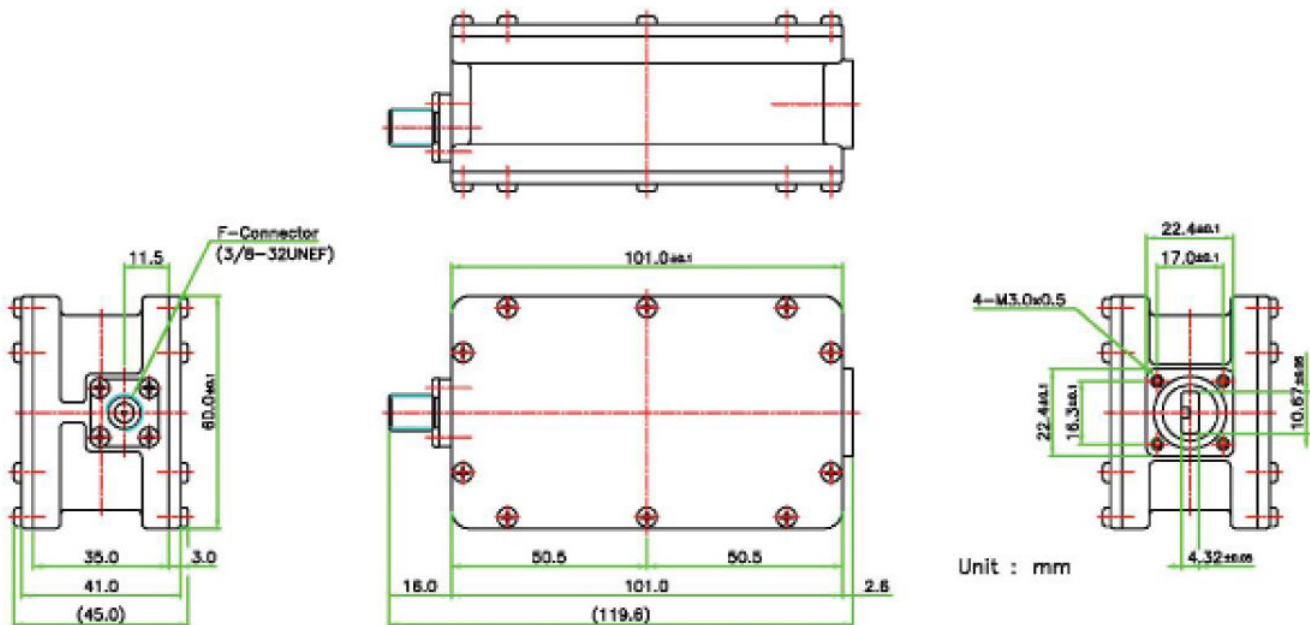


## HOW TO ORDER

# 9200HTABCN



## MECHANICAL DIAGRAM



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