



# LNB

## KA-BAND PLL TRIPLE-BAND

### 9000HT-4



### TYPICAL SPECIFICATIONS

<b>Noise Figure</b>	1.6 dB max. (ABC); 1.8 dB max. (BCD)
<b>L.O. Stability</b>	±25kHz, ±50 kHz
<b>Phase Noise</b>	-70 dBc/Hz at 1 kHz -85 dBc/Hz at 10 kHz -95 dBc/Hz at 100 kHz
<b>Conversion Gain</b>	60 dB typ., 55 dB min, 65 dB max. @ full frequency band
<b>Gain Flatness (Full band)</b>	5 dBp-p max.
<b>Output P1dB</b>	+5 dBm min
<b>Input/Output VSWR</b>	+12V to +24V DC
<b>Image Rejection</b>	40 dBc min. @ 1st L.O. 30 dBc min. @ 2nd L.O. 0 dBc min. @ 3rd L.O.

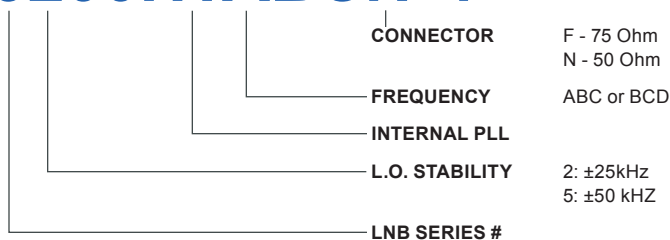
<b>Current</b>	400 mA
<b>Input (waterproof)</b>	WR-42 waveguide
<b>Output (waterproof)</b>	F-connector (75 ohm) N (Optional) (50 ohm)
<b>Dimensions</b>	120 (L) x 60 (W) x 45 (H) mm (4.7 x 2.4 x 1.8 in)
<b>Weight</b>	400g / 14.1 oz
<b>Operating Temperature</b>	-40 ~ +60°C
<b>Storage Temperature</b>	-40 ~ +80°C
<b>Relative Humidity</b>	0 ~ 95% RH

### FREQUENCY BANDS AVAILABLE

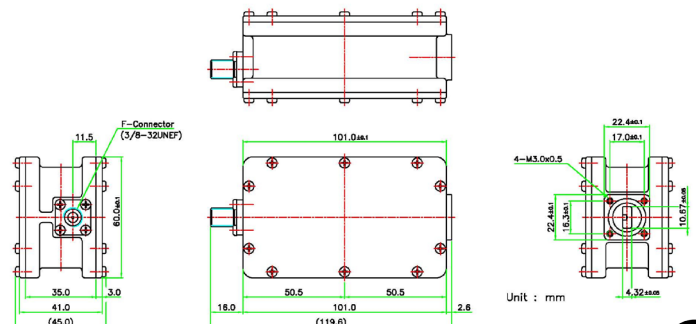
Model Number	Frequency Band	Frequency Range (GHz)	L.O. Switching (GHz)
9000HTABC-4	A	18.20 to 19.20	17.25 @ 13 VDC & 22KHz off
	B	19.20 to 20.20	18.25 @ 18 VDC & 22KHz off
	C	20.20 to 21.20	19.25 @ 13 VDC & 22KHz on
9000HTBCD-4	B	19.20 to 20.20	18.25 @ 13 VDC & 22KHz off
	C	20.20 to 21.20	19.25 @ 18 VDC & 22KHz off
	D	21.20 to 22.20	20.25 @ 13 VDC & 22KHz on

### HOW TO ORDER

## 9200HTABCN-4



### MECHANICAL DIAGRAM



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