



# LNB

## KA-BAND TRIPLE BAND EXT REF 9000XT

### SPECIFICATIONS

<b>Noise Figure</b>	<b>ABC:</b> 1.3dB typ., 1.6 dB max. at room temp. @ CF <b>BCD:</b> 1.5dB typ., 1.8 dB max. at room temp. @ CF
<b>L.O. Stability</b>	Phase Locked to External Reference
<b>Phase Noise (SSB) max.</b>	Depends on External Reference
<b>Input VSWR</b>	3.5 : 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 over (over full band)</b>	≤ 5 dB p-p
<b>Output P1dB</b>	+ 3 dBm min.



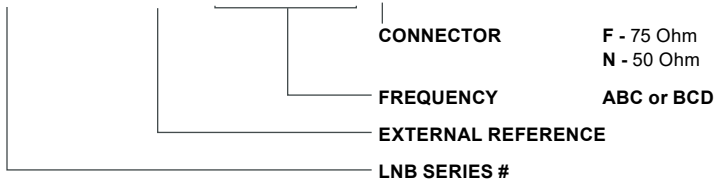
<b>DC Power</b>	+ 12V to + 24V DC (See below for Band Select)
<b>Current</b>	400 mA max.
<b>Input (waterproof)</b>	WR-42 waveguide grooved
<b>Output (waterproof)</b>	F-Connector (75 Ohm) N-Connector (50 Ohm)
<b>Dimensions (L x W x H)</b>	120 mm x 60 mm x 45 mm (4.7 in x 2.4 in x 1.8 in)
<b>Weight</b>	420 g (14.81 oz)
<b>Operating Temperature</b>	- 40 to + 60°C
<b>Storage Temperature</b>	- 40 to + 80°C
<b>External Ref Freq</b>	10 MHz (sine-wave), -5 to +5 dBm

### FREQUENCY BANDS

Model		Band 1 (13V)	Band 2 (18V)	Band 3 (13V & 22KHz)
<b>ABC</b>	<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
<b>BCD</b>	<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

## 9000XTABCN



### MECHANICAL DIAGRAM

