



# LNB

## QUAD-BANDEXTREF

### 1000XU



### SPECIFICATIONS

<b>Noise Figure</b>	0.8 dB typ., 1.0 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>	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 (over full band)</b>	≤ 5 dB p-p
<b>Output P1dB</b>	+ 5 dBm min.

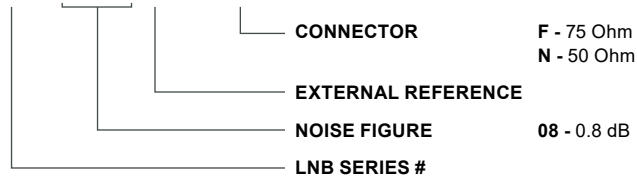
<b>DC Power</b>	+ 12V to + 24V DC (See below for Band Select)
<b>Tone:</b>	<b>Frequency</b> 22 kHz ± 4 kHz <b>Amplitude Voltage</b> 0.6 ± 0.2 V <b>Duty Cycle</b> 50% ± 10%
<b>Current</b>	350 mA max.
<b>Input (waterproof)</b>	WR-75 waveguide grooved
<b>Output (waterproof)</b>	F-Connector (75 ohm) N-Connector (50 ohm)
<b>Dimensions (L x W x H)</b>	128 mm x 60 mm x 42 mm (5.04 in x 2.36 in x 1.65 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
<b>External Ref Freq</b>	10 MHz (sine-wave), -5 to +5 dBm

### FREQUENCY BANDS AVAILABLE

	<b>Band 1</b> (13V)	<b>Band 2</b> (13V / 22 kHz Tone)	<b>Band 3</b> (18V)	<b>Band 4</b> (18V / 22 kHz Tone)
<b>Frequency Band (GHz)</b>	10.7 - 11.7	10.95 - 11.7	11.7 - 12.75	12.25 - 12.75
<b>L.O. Frequency (GHz)</b>	9.75	10.00	10.75	11.30
<b>IF Frequency (MHz)</b>	950 - 1950	950 - 1700	950 - 2000	950 - 1450

### HOW TO ORDER

## 1008XUF



### MECHANICAL DIAGRAM

