



# LNB

## C-BAND EXT REF

### 3000X

### SPECIFICATIONS

<b>Noise Temperature</b>	20K to 30K at room temp. @ CF Depending on model number
<b>L.O. Stability</b>	Phase Locked to External Reference
<b>Phase Noise (SSB) max.</b>	Depends on External Reference
<b>Input VSWR</b>	2.3 : 1 max.
<b>Output VSWR</b>	2.3 : 1 max.
<b>Gain</b>	65 dB typ., 60 dB min., 70 dB max.
<b>Gain Flatness (over full band)</b>	≤ 4dB p-p
<b>Output P1dB</b>	+ 3 dBm min.



<b>DC Power</b>	+ 12V to + 24V DC
<b>Current</b>	250 mA max.
<b>Input (waterproof)</b>	CPR-229G waveguide grooved
<b>Output (waterproof)</b>	F-Connector (75 Ohm) N-Connector (50 Ohm)
<b>Dimensions (L x W x H)</b>	180 mm x 100 mm x 70 mm (7.1 in x 4.0 in x 2.8 in)
<b>Weight</b>	575g (20.28 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

<b>Frequency Band (GHz)</b>	3.40 to 4.20
<b>L.O. Frequency (GHz)</b>	5.15
<b>IF Frequency (MHz)</b>	950 to 1750

### HOW TO ORDER

## 3020XN

CONNECTOR	F - 75 Ohm N - 50 Ohm
EXTERNAL REFERENCE	
NOISE TEMPERATURE	20 - 20K 25 - 25K 30 - 30K
LNB SERIES #	

### MECHANICAL DIAGRAM

