



# LNB

## C-BAND PLL

### 3000R

#### HIGH STABILITY

#### SPECIFICATIONS



<b>Noise Temperature at room temp. @CF</b>	20K: 20K typ., 24K Max. 25K: 25K typ., 30K Max.
<b>L.O. Stability</b>	±5 kHz, ±10 kHz
<b>Phase Noise (SSB) max.</b>	-73 dBc/Hz at 1 kHz -83 dBc/Hz at 10 kHz -93 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., 70 dB max.
<b>Gain Flatness (over full band)</b>	≤ 4 dB p-p max.
<b>Output P1dB</b>	+ 8 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>	575 g (20.28 oz)
<b>Operating Temperature</b>	- 40 to + 60°C
<b>Storage Temperature</b>	- 40 to + 80°C

#### FREQUENCY BANDS

<b>Frequency Band (GHz)</b>	3.70 to 4.20
<b>L.O. Frequency (GHz)</b>	5.15
<b>IF Frequency (MHz)</b>	950 to 1450

#### HOW TO ORDER

## 3125RN

<b>CONNECTOR</b>	F - 75 Ohm N - 50 Ohm
<b>FREQUENCY</b>	R: 3.7-4.2 GHz
<b>NOISE TEMPERATURE</b>	20 - 20K 25 - 25 K
<b>L.O. STABILITY</b>	1: ±5 kHz 2: ±10 kHz
<b>LNB SERIES #</b>	

#### MECHANICAL DIAGRAM

