



LNB

C-BAND PLL

3000

HIGH STABILITY

SPECIFICATIONS



Noise Temperature at room temp. @CF	20K: 20K typ., 24K Max. 25K: 25K typ., 28K Max. 30K: 30K typ., 32K Max.
L.O. Stability	± 2 kHz to ± 25 kHz
Phase noise (SSB) max.	-80 dBc/Hz at 1kHz -85 dBc/Hz at 10kHz -95 dBc/Hz at 100kHz
Input VSWR	2.2 : 1 max.
Output VSWR	2.5 : 1 max.
Gain	62 dB typ., 55 dB min., 70 dB max.
Gain Flatness (over full band)	≤ 6 dB p-p max.
Output P1dB	+ 9 dBm

DC Power	+ 12V to + 24 V DC
Current	250 mA max.
Input (waterproof)	CPR229G waveguide grooved
Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm)
Dimensions (L x W x H)	145 mm x 70 mm x 99 mm (5.7 in x 2.8 in x 3.9 in)
Weight	500 g (17.64 oz)
Operating Temperature	- 40 to + 60°C
Storage Temperature	- 40 to + 80°C

FREQUENCY BANDS

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

HOW TO ORDER

3120N

CONNECTOR	F - 75 Ohm N - 50 Ohm
NOISE TEMPERATURE	20 - 20K 25 - 25 K 30 - 30 K
L.O. STABILITY	4: ±2 kHz 6: ±3 kHz 8: ±4 kHz 1: ±5 kHz 2: ±10 kHz 5: ±25 kHz
LNB SERIES #	

MECHANICAL DIAGRAM

