



Innovative Communication Solutions

# LNB

## C-BAND PLL

### 3000-BPF SERIES

#### 5G INTERFERENCE LNB

#### SPECIFICATIONS



<b>Noise Temperature</b>	37K typ., 60K max. at room temp. @ CF
<b>Phase Noise (SSB) max.</b>	-80 dBc/Hz at 1kHz -85 dBc/Hz at 10kHz -95 dBc/Hz at 100kHz
<b>Input VSWR</b>	2.2 : 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>	≤ 6 dB p-p
<b>Output P1dB</b>	+ 9 dBm min.
<b>Interference Rejection Signal</b>	-25 dBm max. with no degradation

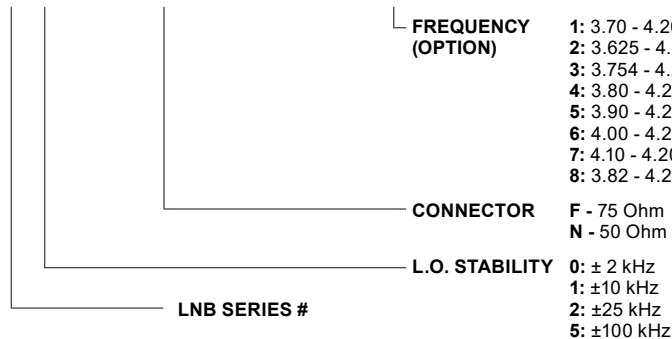
<b>DC Power</b>	+ 12V to + 24V DC
<b>Current</b>	400 mA max.
<b>Input (waterproof)</b>	CPR229G waveguide grooved
<b>Output (waterproof)</b>	F-Connector (75 Ohm) N-Connector (50 Ohm)
<b>Dimensions (L x W x H) (F connector)</b>	159 mm x 98.5 mm x 70mm (6.26 in x 3.88 in x 2.75 in)
<b>Weight</b>	500 g (17.64 oz)
<b>Operating Temperature</b>	- 40 to + 60°C
<b>Storage Temperature</b>	- 50 to + 70°C

### FREQUENCY BANDS

	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Option 7	Option 8
<b>Frequency Band (GHz)</b>	3.70 - 4.20	3.625 - 4.20	3.754 - 4.20	3.80 - 4.20	3.90 - 4.20	4.00 - 4.20	4.10 - 4.20	3.82 - 4.20
<b>L.O. Frequency (GHz)</b>	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15
<b>IF Frequency (MHz)</b>	950 - 1450	950 - 1525	950 - 1396	950 - 1350	950 - 1250	950 - 1150	950 - 1050	950 - 1330
<b>Rejection Range</b>	< 3.6 GHz and > 4.8 GHz	< 3.525 GHz and > 4.8 GHz	< 3.654 GHz and > 4.8 GHz	< 3.7 GHz and > 4.8 GHz	< 3.8 GHz and > 4.8 GHz	< 3.9 GHz and > 4.8 GHz	< 4.0 GHz and > 4.8 GHz	< 3.72 GHz and > 4.8 GHz

### HOW TO ORDER

## 3200N-BPF-1



### MECHANICAL DIAGRAM

