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Innovative Communication Solutions

# LNB

## C-BAND PLL

### 3000-sBPF 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>DC Power</b>	+12V to +24V DC
<b>Current</b>	400 mA max.
<b>Switching Voltage</b>	<b>Band 1:</b> 13V <b>Band 2:</b> 18V
<b>Input (waterproof)</b>	WR-229 waveguide grooved
<b>Output (waterproof)</b>	Type F Connector (75 Ohm) Type N Connector (50 Ohm)
<b>Dimensions (L x W x H)</b>	159 mm x 98.55 mm x 69.85 mm (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
<b>Protection Rating</b>	IP66

#### FREQUENCY BANDS

	Band 1	Option 4 Band 2	Option 5 Band 2	Option 6 Band 2
<b>Input Frequency (GHz)</b>	3.40 - 4.20	3.80 - 4.20	3.90 - 4.20	4.00 - 4.20
<b>L.O. Frequency (GHz)</b>	5.15	5.15	5.15	5.15
<b>Output Frequency (MHz)</b>	950 - 1750	950 - 1350	950 - 1250	950 - 1150
<b>Rejection (-25dBm interference signal)</b>	No rejection	< 3.7 GHz and > 4.8 GHz with no degradation	< 3.8 GHz and > 4.8 GHz with no degradation	< 3.9 GHz and > 4.8 GHz with no degradation

#### HOW TO ORDER

## 3200N-sBPF-5

<b>FREQUENCY</b>	4: 3.40 - 4.20 / 3.80 - 4.20 GHz 5: 3.40 - 4.20 / 3.90 - 4.20 GHz 6: 3.40 - 4.20 / 4.00 - 4.20 GHz
<b>SWITCHABLE</b>	
<b>CONNECTOR</b>	F: Type F Connector (75 Ohm) N: Type N Connector (50 Ohm)
<b>L.O. STABILITY</b>	0: ± 2 kHz 1: ± 10 kHz 2: ± 25 kHz 5: ± 100 kHz
<b>LNB SERIES #</b>	

#### MECHANICAL DIAGRAM

