



LNB

C-BAND PLL

3000-BPF SERIES

5G INTERFERENCE LNB

SPECIFICATIONS



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|---------------------------------------|---|
| Noise Temperature | 37K typ., 60K max. at room temp. @ CF |
| 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 | 60 dB typ., 55 dB min., 70 dB max. |
| Gain Flatness (over full band) | ≤ 6 dB p-p |
| Output P1dB | + 9 dBm min. |
| Interference Rejection Signal | -25 dBm max. with no degradation |

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

FREQUENCY BANDS

| | Option 1 | Option 2 | Option 3 | Option 4 | Option 5 | Option 6 | Option 7 | Option 8 |
|-----------------------------|----------------------------|------------------------------|------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|
| Frequency Band (GHz) | 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 |
| L.O. Frequency (GHz) | 5.15 | 5.15 | 5.15 | 5.15 | 5.15 | 5.15 | 5.15 | 5.15 |
| IF Frequency (MHz) | 950 - 1450 | 950 - 1525 | 950 - 1396 | 950 - 1350 | 950 - 1250 | 950 - 1150 | 950 - 1050 | 950 - 1330 |
| Rejection Range | < 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

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|---------------------------|--|
| FREQUENCY (OPTION) | 1: 3.70 - 4.20 GHz 2: 3.625 - 4.20 GHz 3: 3.754 - 4.20 GHz 4: 3.80 - 4.20 GHz 5: 3.90 - 4.20 GHz 6: 4.00 - 4.20 GHz 7: 4.10 - 4.20 GHz 8: 3.82 - 4.20 GHz |
| CONNECTOR | F - 75 Ohm N - 50 Ohm |
| L.O. STABILITY | 0: ± 2KHz 1: ±10KHz 2: ±25KHz |
| LNB SERIES # | |

MECHANICAL DIAGRAM

