

Innovative Communication Solutions

LNB C-BAND 5200R PLL



FEATURES

Ideal for DBV (Digital Broadcast Video), VSAT Broadband, Military Satcom, Point-of-Sale, and Oil and Gas applications

- LO Stability +/- 150 kHz to +/- 250 kHz
- 15 K noise temperature
- 580 grams / 20.5 ounces

FREQUENCY BANDS AVAILABLE

 Input frequency (GHz)
 3.7 – 4.2 GHz

 L.O. frequency (GHz)
 5.15 GHz

 Output frequency (MHz)
 950 – 1450 MHz

TYPICAL SPECIFICATIONS

 $\begin{array}{ll} \textbf{L.O. stability} & \pm 150 \text{ kHz, } \pm 250 \text{ kHz} \\ \textbf{Noise temperature} & 15 \text{ K typ., } 30 \text{ K max} \\ \end{array}$

Phase noise -65 dBc/Hz @ 1 kHz offset

-80 dBc/Hz @ 10 kHz offset -95 dBc/Hz @ 100 kHz offset

Input VSWR & Output VSWR 2.5:1

Conversion gain 62 dB typical 55 dB min 70 dB may

70 dB max

Output P1dB 5 dBm

Power requirements 12 - 24V DC supplied through

center conductor of IF cable

Current drain 250 mA Input Waveguide CPR 229G

Dimensions 190 (L) x 115 (W) x 78 (H) mm

(7.1 x 4.0 x 2.8 in)

Weight 580 g / 20.5 ozTemperature Range $-40 \,^{\circ}\text{C}$ to $+60 \,^{\circ}\text{C}$

HOW TO ORDER

5250RF—

CONNECTOR

F - 75 Ohm N - 50 Ohm

L.O. STABILITY

15 - ±150 kHz 25 - ±250 kHz

LNB SERIES#



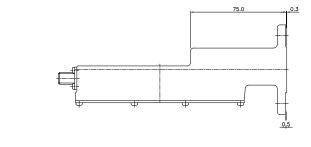


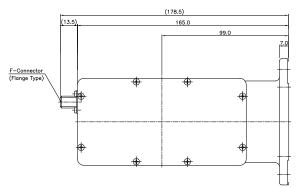
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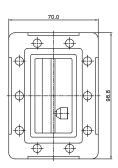
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C-BAND 5200R PLL LNB

MECHANICAL DIAGRAM







TERRESTRIAL INTERFERENCE REJECTION

