

5250RN

5200R C-Band Single Band PLL LNB

L.O Stability: 25: ± 250 kHz

Output Connector: N: 50 Ohm



KEY SPECIFICATIONS

Band	C-Band
Input Frequency Band 1	3.70 - 4.20 GHz
LO Frequency 1	5.15 GHz
LO Stability	± 250 kHz
LO Type	PLL
Noise Figure Max	30K
Noise Figure Typ	25K
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1450 MHz

RF SPECIFICATIONS

Conversion Gain Max	70 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	≤ 5 dB p-p max.
Input VSWR	2.5 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.5 : 1 max.
Phase Noise 1khz Offset Max	-73 dBc/Hz
Phase Noise 10khz Offset Max	-83 dBc/Hz
Phase Noise 100khz Offset Max	-95 dBc/Hz

ELECTRICAL SPECIFICATIONS

Current Consumption	250 mA max.
Power Requirements	+12 to +24V DC

INTERFACE SPECIFICATIONS



IF Connector

N-Connector

RF Input Connector

CPR 229G waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

IP Rating

IP 67

Temperature Operational

-40°C to +60°C

Temperature Storage

-50 to +70°C

PHYSICAL SPECIFICATIONS

Product Height

70 mm

Product Length

179 mm

Product Weight

0.575 kg

Product Width

99 mm

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in the Republic of Korea	Richmond, BC, Canada	EAR99	190 x 114 x 79 mm 0.575 kg

HOW TO ORDER

5250RF

CONNECTOR

F - 75 Ohm

N - 50 Ohm

L.O. STABILITY

15: ±150 kHz

25: ±250 kHz

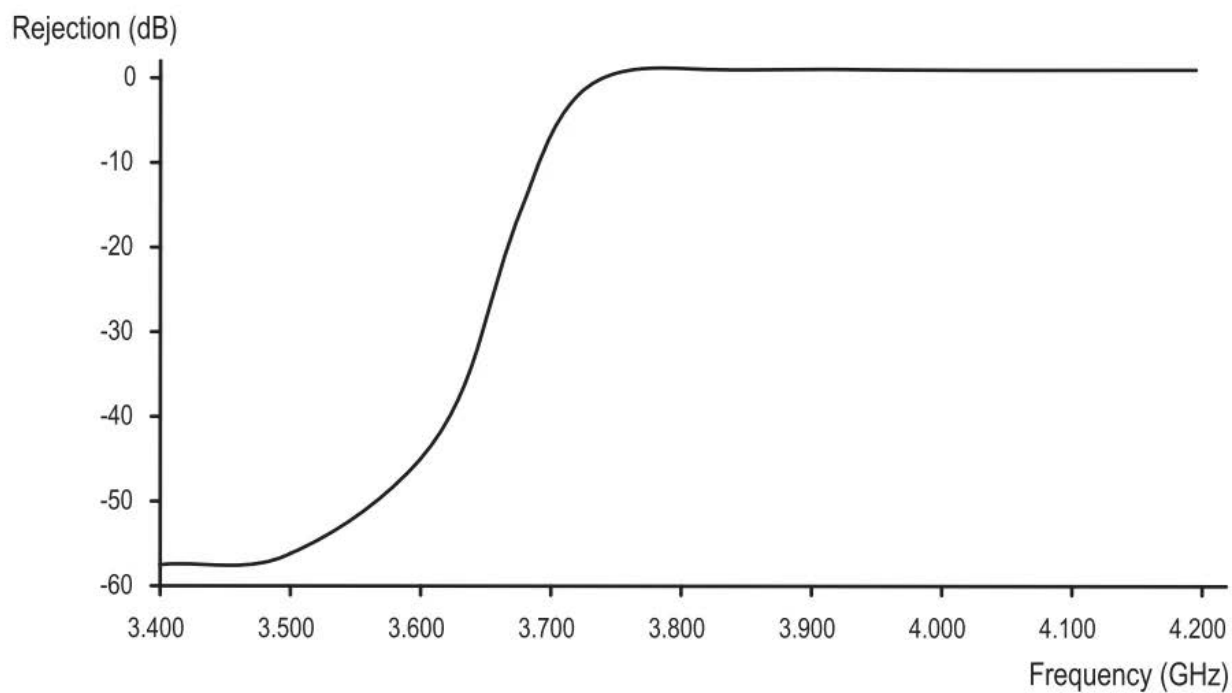
LNB SERIES #

MECHANICAL DIAGRAMS



Norsat
International Inc.

Innovative Communication Solutions



Norsat
International Inc.

ESATCOM
INC

Esatcom Inc
Norsat authorized distributor
www.esatcom.com

Tel
718.799.0084

Email
sales@esatcom.com