

3120CF

3000C C-Band Single Band PLL LNB

L.O. Stability: 1: ± 5 kHz

Noise Figure: 20 K

Output Connector: F: 75 Ohm



KEY SPECIFICATIONS

Band	C-Band
Input Frequency Band 1	3.625 - 4.20 GHz
LO Frequency 1	5.15 GHz
LO Stability	± 5 kHz
LO Type	PLL
Noise Figure Max	25K
Noise Figure Typ	20K
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1525 MHz

RF SPECIFICATIONS

Conversion Gain Max	70 dB
Conversion Gain Min	60 dB
Conversion Gain Typ	62 dB
Gain Flatness (over Full Band)	≤ 4 dB p-p max.
Input VSWR	2.5 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	1.9 : 1 max.
Phase Noise 1khz Offset Max	-73 dBc/Hz
Phase Noise 10khz Offset Max	-83 dBc/Hz
Phase Noise 100khz Offset Max	-93 dBc/Hz

ELECTRICAL SPECIFICATIONS

Power Requirements	+12 to +24V DC
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INTERFACE SPECIFICATIONS



IF Connector

F-Connector

RF Input Connector

CPR 229G waveguide grooved

M and C SPECIFICATIONS

Led Indicators

None

ENVIRONMENTAL SPECIFICATIONS

IP Rating

IP 67

Temperature Operational

-40°C to +60°C

Temperature Storage

-40 to +80°C

PHYSICAL SPECIFICATIONS

Product Height

70 mm

Product Length

180 mm

Product Weight

0.575 kg

Product Width

100 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 100 x 70 mm |
0.68 kg

HOW TO ORDER

3125CN

CONNECTOR

F - 75 Ohm
N - 50 Ohm

FREQUENCY

C: 3.625-4.2 GHz

NOISE
TEMPERATURE

20 - 20K
25 - 25 K

L.O. STABILITY

1: ±5 kHz
2: ±10 kHz

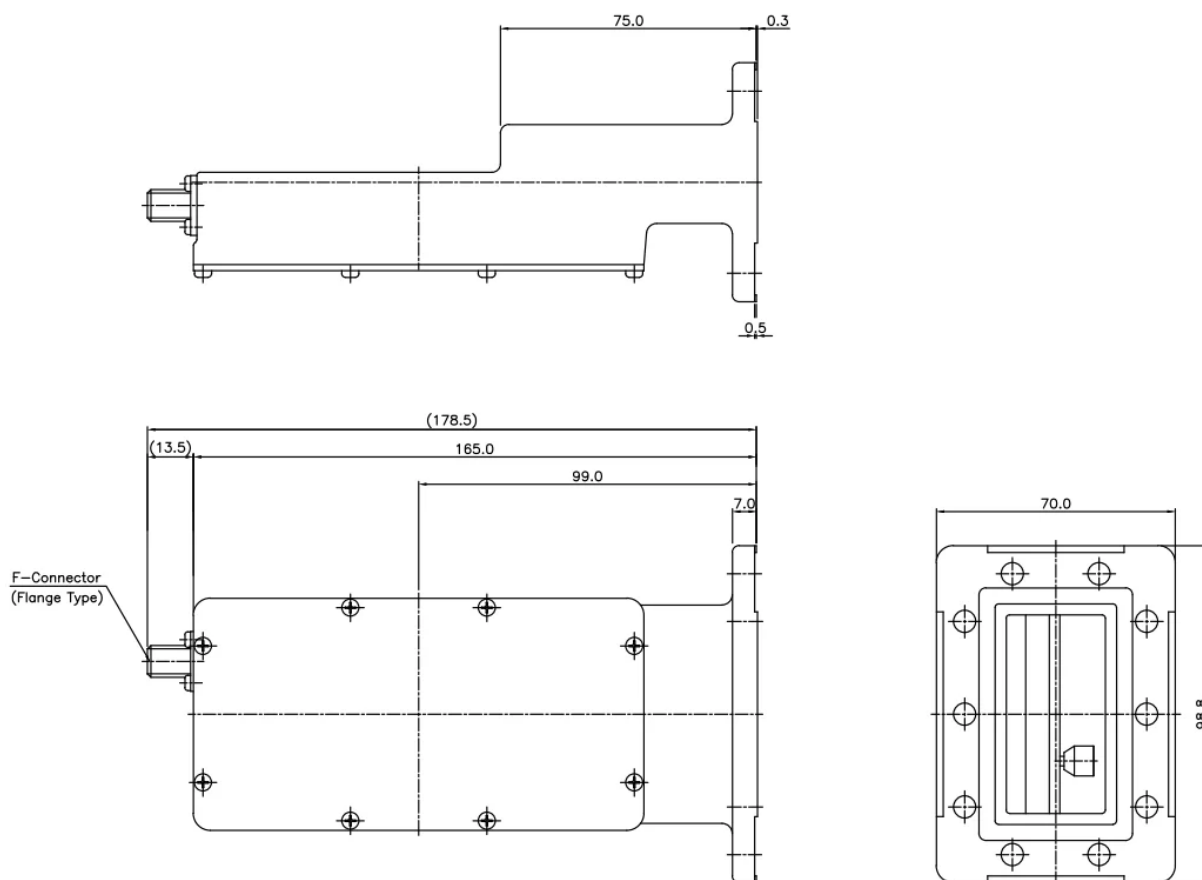
LNB SERIES #

MECHANICAL DIAGRAMS



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