

3820F

3000 C-Band Single Band PLL LNB

L.O. Stability: 8: ± 4 kHz

Noise Figure: 20 K

Output Connector: F: 75 Ohm



KEY SPECIFICATIONS

Band	C-Band
Input Frequency Band 1	3.40 - 4.20 GHz
LO Frequency 1	5.15 GHz
LO Stability	± 4 kHz
LO Type	PLL
Noise Figure Max	24K
Noise Figure Typ	20K
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1750 MHz

RF SPECIFICATIONS

Conversion Gain Max	70 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	62 dB
Gain Flatness (over Full Band)	≤ 6 dB p-p max.
Input VSWR	2.2 : 1 max.
Output P1db	+ 9 dBm min.
Output VSWR	2.5 : 1 max.
Phase Noise 1khz Offset Max	-80 dBc/Hz
Phase Noise 10khz Offset Max	-85 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	F-Connector
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RF Input Connector

CPR 229G waveguide grooved

M and C SPECIFICATIONS

Led Indicators

None

ENVIRONMENTAL SPECIFICATIONS

Temperature Operational

-40 to +60°C

Temperature Storage

-40 to +80°C

PHYSICAL SPECIFICATIONS

Product Height

99 mm

Product Length

145 mm

Product Weight

0.5 kg

Product Width

70 mm

LOGISTICS SPECIFICATIONS

HS Code

Country of Origin

Ex Works

ECCN Number

Unit Package

8517690000

Made in Canada

Richmond, BC, Canada

EAR99

190 x 100 x 70 mm |
0.68 kg

MECHANICAL DIAGRAMS

