



# 3230F

## 3000 C-Band Single Band PLL LNB

L.O. Stability: 2:  $\pm 10$  kHz

Noise Figure: 30 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	$\pm 10$ kHz
LO Type	PLL
Noise Figure Max	32K
Noise Figure Typ	30K
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)	$\leq 6$ 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

