

## **Innovative Communication Solutions**

# 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**

Phase Noise 10khz Offset Max

**Conversion Gain Max** 70 dB

**Conversion Gain Min** 60 dB

Conversion Gain Typ 62 dB

**Gain Flatness (over Full Band)**  $\leq$  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

-83 dBc/Hz

Phase Noise 100khz Offset Max -93 dBc/Hz

## **ELECTRICAL SPECIFICATIONS**

Power Requirements +12 to +24V DC

#### INTERFACE SPECIFICATIONS





## **Innovative Communication Solutions**

IF Connector F-Connector

RF Input Connector CPR 229G waveguide grooved

## **ENVIRONMENTAL SPECIFICATIONS**

IP Rating IP 67

Temperature Operational  $-40 \text{ to } +60^{\circ}\text{C}$ Temperature Storage  $-40 \text{ to } +80^{\circ}\text{C}$ 

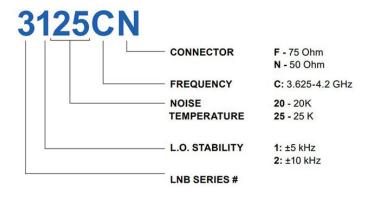
## PHYSICAL SPECIFICATIONS

Product Height70 mmProduct Length180 mmProduct Weight0.575 kgProduct Width100 mm

## **LOGISTICS SPECIFICATIONS**

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in Korea	Richmond, BC, Canada	EAR99	190 mm x 100 mm x 70 mm   0.68 kg

## **HOW TO ORDER**



## **MECHANICAL DIAGRAMS**





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