

# 5150F

## 5200 C-Band Single Band PLL LNB

**L.O Stability:** 15:  $\pm 150$  kHz

**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	$\pm 150$ kHz
LO Type	PLL
Noise Figure Max	30K
Noise Figure Typ	25K
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	60 dB
Gain Flatness (over Full Band)	$\leq 5$ 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	F-Connector
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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

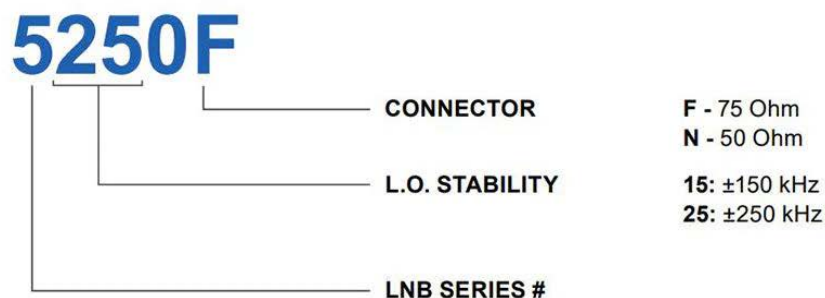
### PHYSICAL SPECIFICATIONS

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	145 x 70 x 99 mm   0.575 kg

### HOW TO ORDER

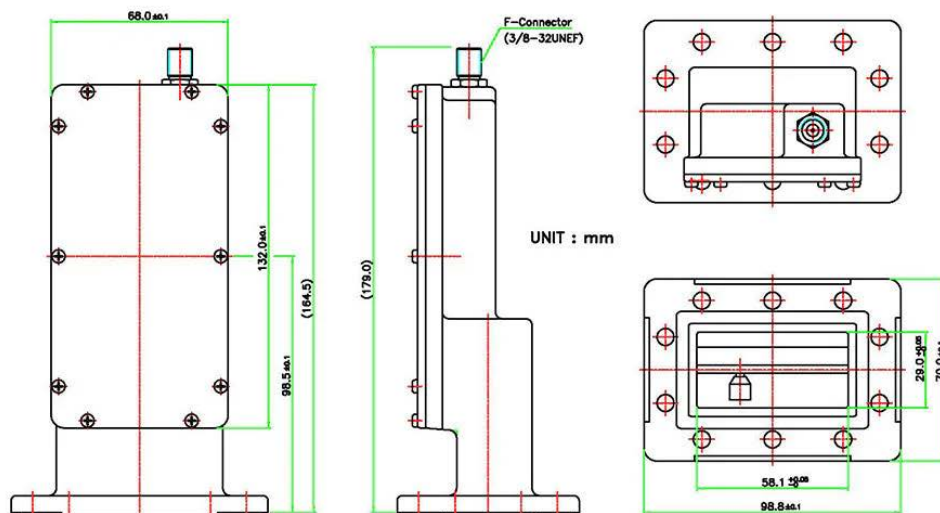


### MECHANICAL DIAGRAMS



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