

5150IF

5200I C-Band Single Band PLL LNB

L.O Stability: 15: ± 150 kHz

Output Connector: F: 75 Ohm



KEY SPECIFICATIONS

Band	C-Band
Input Frequency Band 1	4.50 - 4.80 GHz
LO Frequency 1	5.95 GHz
LO Stability	± 150 kHz
LO Type	PLL
Noise Figure Max	30K
Noise Figure Typ	25K
Number Of Onboard Los	Single-Band
Output Frequency Band 1	1150 - 1450 MHz

RF SPECIFICATIONS

Conversion Gain Max	70 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	≤ 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	-65 dBc/Hz
Phase Noise 10khz Offset Max	-80 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

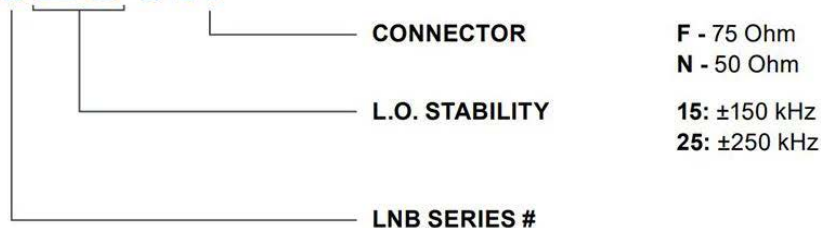
Product Height	70 mm
Product Length	179 mm
Product Weight	0.575 kg
Product Width	99 mm

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in the Republic of Korea	Richmond, BC, Canada	EAR99	180 x 102 x 71 mm 0.575 kg

HOW TO ORDER

5250IF

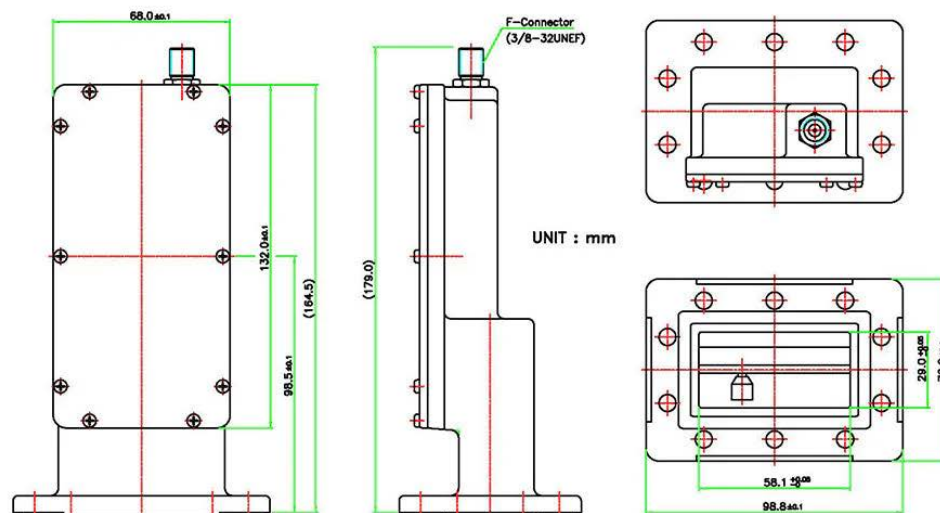


MECHANICAL DIAGRAMS



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