

# 3225IF

## 3000I C-Band Single Band PLL LNB

L.O. Stability: 2:  $\pm 10$  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	$\pm 10$ 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	65 dB
Gain Flatness (over Full Band)	$\leq 4$ dB p-p max.
Input VSWR	2.5 : 1 max.
Output P1db	+ 3 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	-93 dBc/Hz

## ELECTRICAL SPECIFICATIONS

Power Requirements	+12 to +24V DC
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## INTERFACE SPECIFICATIONS

IF Connector	F-Connector
RF Input Connector	CPR 229G waveguide grooved



### M and C SPECIFICATIONS

Led Indicators	None
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### ENVIRONMENTAL SPECIFICATIONS

IP Rating	IP 67
Temperature Operational	-40 to +60°C
Temperature Storage	-40 to +80°C

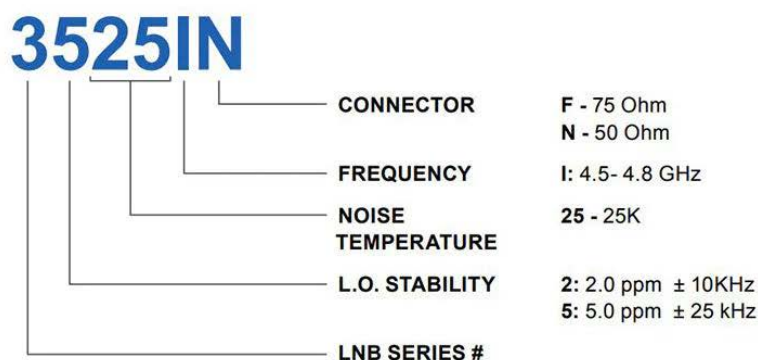
### PHYSICAL SPECIFICATIONS

Product Height	70 mm
Product Length	180 mm
Product Weight	0.575 kg
Product Width	100 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	190 x 115 x 80 mm   0.68 kg

### HOW TO ORDER

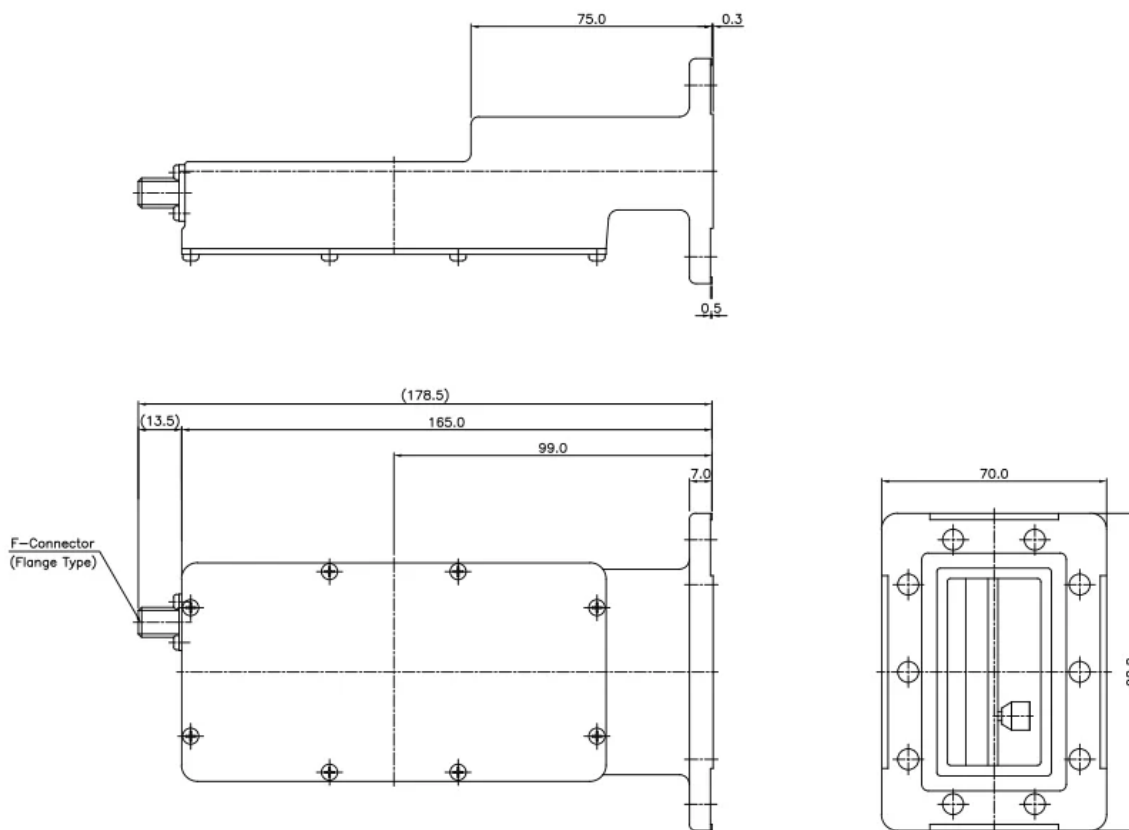


### MECHANICAL DIAGRAMS



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