



# 1208HCF

## 1000 Ku-Band Single Band PLL LNB

LO Stability: 2:  $\pm 25$  kHz

Noise Figure: 0.8 dB

Output Connector: F: 75 Ohm



### KEY SPECIFICATIONS

Band	Ku-Band
Input Frequency Band 1	10.95 - 11.70 GHz
LO Frequency 1	10.00 GHz
LO Stability	$\pm 25$ kHz
LO Type	PLL
Noise Figure Max	0.9 dB
Noise Figure Typ	0.8 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1700 MHz

### RF SPECIFICATIONS

Conversion Gain Max	65 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	$\leq 4$ dB p-p
Input VSWR	2.5 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.2 : 1 max.
Phase Noise 100khz Offset Max	-95 dBc/Hz

### ELECTRICAL SPECIFICATIONS

Current Consumption	300 mA max.
Power Requirements	+12 to +24V DC

### INTERFACE SPECIFICATIONS

IF Connector	F-Connector
RF Input Connector	WR-75 waveguide grooved



## M and C SPECIFICATIONS

Led Indicators None

## ENVIRONMENTAL SPECIFICATIONS

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

## PHYSICAL SPECIFICATIONS

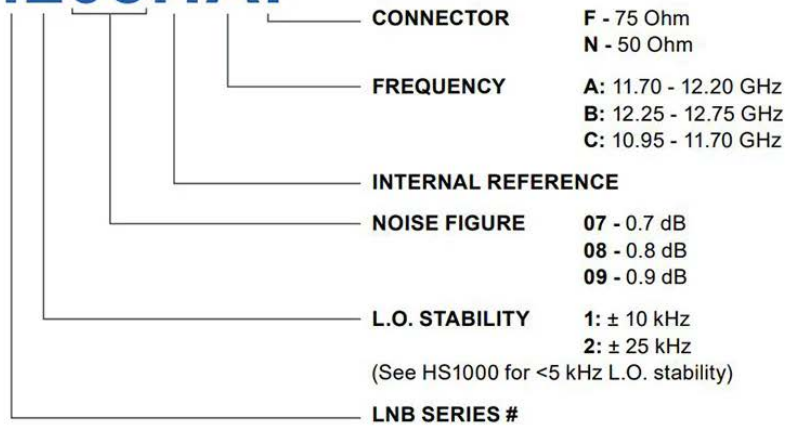
Product Height 42 mm  
 Product Length 110 mm  
 Product Weight 0.3 kg  
 Product Width 42 mm

## LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in the Republic of Korea	Richmond, BC, Canada	EAR99	140 x 50 x 50 mm

## HOW TO ORDER

# 1208HAF

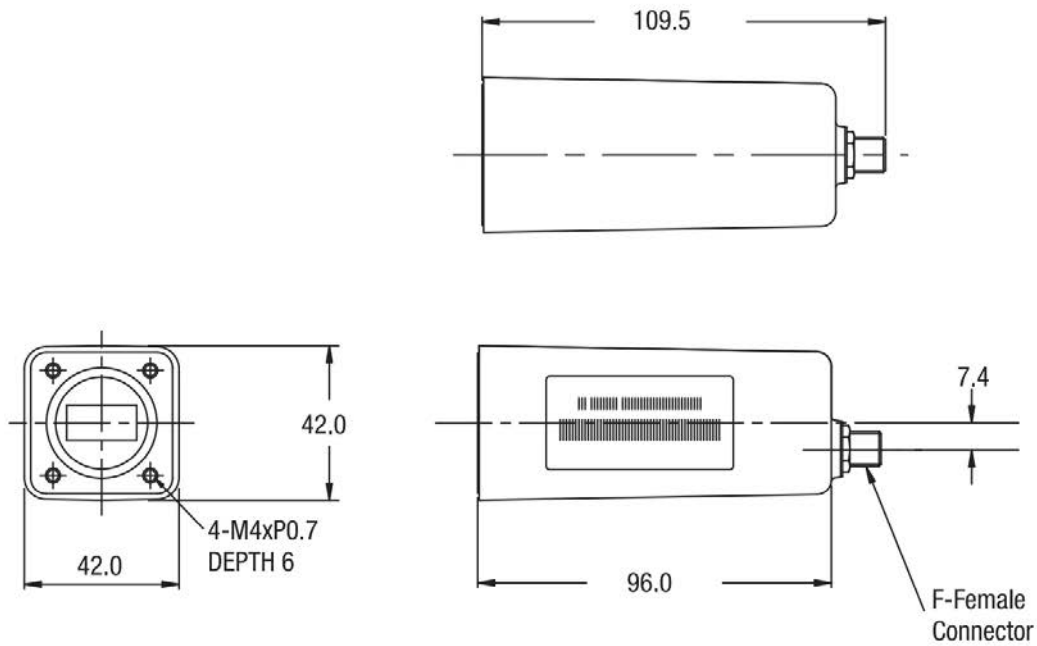


## MECHANICAL DIAGRAMS



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