

# HS1028CN

## 1000 Ku-Band Single Band PLL LNB

**L.O Stability:**  $\pm 2$  kHz

**Noise Figure:** 0.8 dB

**Output Connector:** N: 50 Ohm



## KEY SPECIFICATIONS

Band	Ku-Band
Input Frequency Band 1	10.95 - 11.70 GHz
LO Frequency 1	10.00 GHz
LO Stability	$\pm 2$ 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)	$\leq 5$ dB p-p
Input VSWR	2.5 : 1 max.
Output P1db	+ 4 dBm min.
Output VSWR	2.2 : 1 max.
Phase Noise 100khz Offset Max	-90 dBc/Hz

## ELECTRICAL SPECIFICATIONS

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

## INTERFACE SPECIFICATIONS

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

## M and C SPECIFICATIONS



Led Indicators

None

### ENVIRONMENTAL SPECIFICATIONS

Temperature Operational

-40 to +60°C

Temperature Storage

-40 to +60°C

### PHYSICAL SPECIFICATIONS

Product Height

42 mm

Product Length

110 mm

Product Weight

0.3 kg

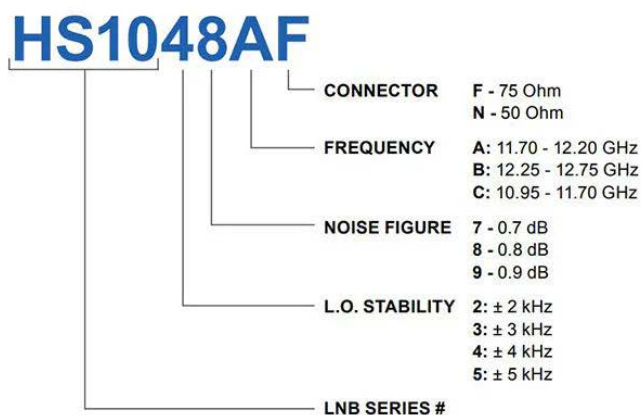
Product Width

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

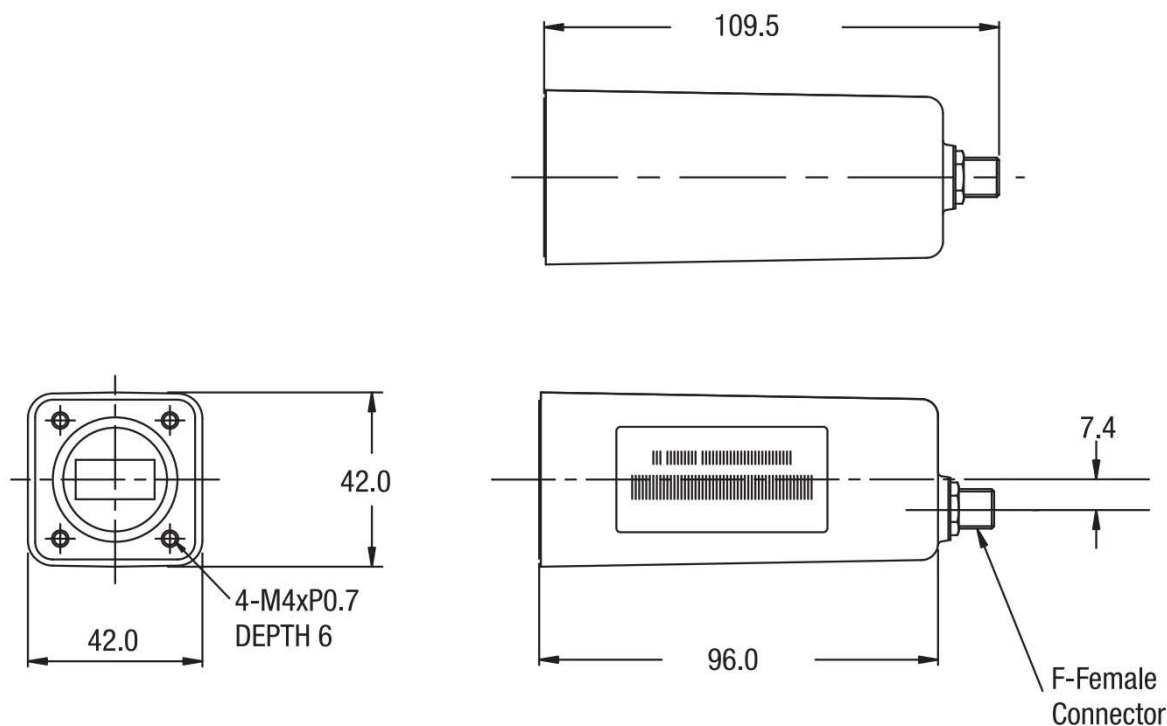


### MECHANICAL DIAGRAMS



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