



# HS1047CF

## 1000 Ku-Band Single Band PLL LNB

L.O Stability:  $\pm 4$  kHz

Noise Figure: 0.7 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	$\pm 4$ kHz
LO Type	PLL
Noise Figure Max	0.8 dB
Noise Figure Typ	0.7 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	F-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

### HS1048AF

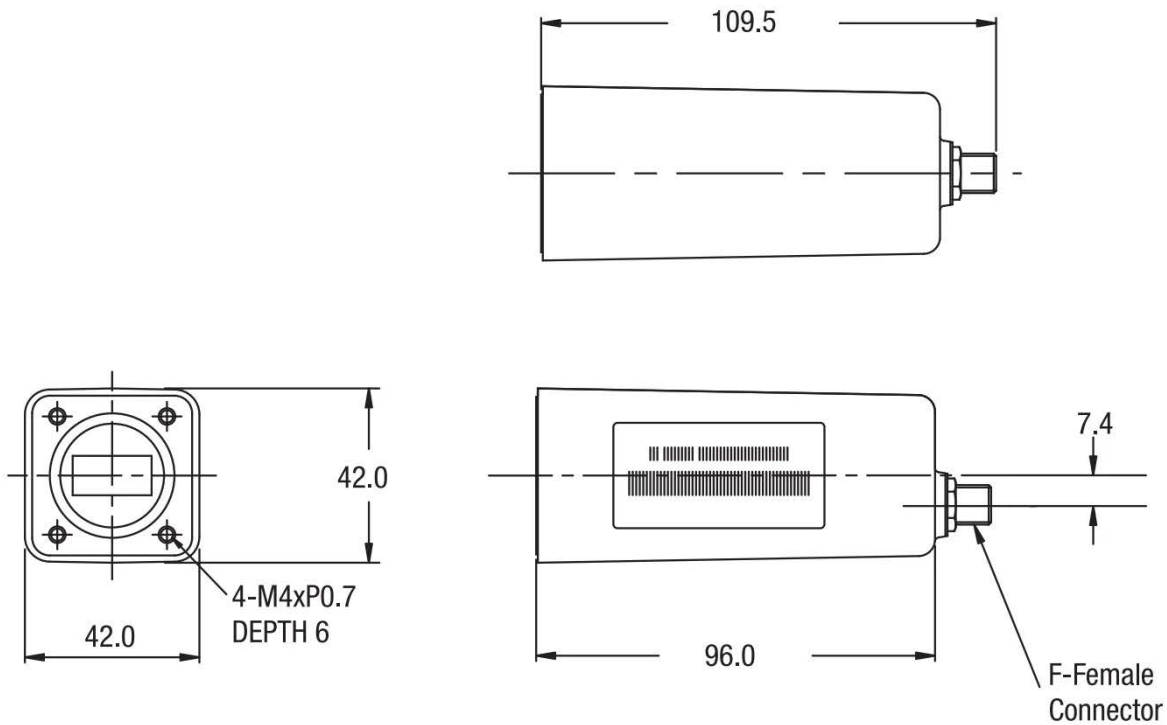
CONNECTOR	F - 75 Ohm N - 50 Ohm
FREQUENCY	A: 11.70 - 12.20 GHz B: 12.25 - 12.75 GHz C: 10.95 - 11.70 GHz
NOISE FIGURE	7 - 0.7 dB 8 - 0.8 dB 9 - 0.9 dB
L.O. STABILITY	2: ± 2 kHz 3: ± 3 kHz 4: ± 4 kHz 5: ± 5 kHz
LNB SERIES #	

## MECHANICAL DIAGRAMS



Norsat  
International Inc.

Innovative Communication Solutions



Norsat authorized distributor

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