

1108HDF

1000 Ku-Band Dual Band PLL LNB

LO Stability: 1: ± 10 kHz

Output Connector: F: 75 Ohm



KEY SPECIFICATIONS

Band	Ku-Band
Input Frequency Band 1	10.70 - 11.70 GHz
Input Frequency Band 2	11.70 - 12.75 GHz
LO Frequency 1	9.75 GHz
LO Frequency 2	10.60 GHz
LO Stability	± 10 kHz
LO Type	PLL
Noise Figure Max	0.9 dB
Noise Figure Typ	0.8 dB
Number Of Onboard Los	Dual-Band
Output Frequency Band 1	950 - 1950 MHz
Output Frequency Band 2	1100 - 2150 MHz

RF SPECIFICATIONS

Control Signal 1	13V / No Tone
Control Signal 2	18V / No Tone
Conversion Gain Max	65 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	≤ 5 dB p-p
Input VSWR	2.3 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.3 : 1 max.
Phase Noise 100khz Offset Max	-95 dBc/Hz

ELECTRICAL SPECIFICATIONS



Current Consumption	350 mA
Power Requirements	+12 to +24V DC

INTERFACE SPECIFICATIONS

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

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	128 mm
Product Weight	0.4 kg
Product Width	60 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	145 x 95 x 65 mm

HOW TO ORDER

1108HDFN

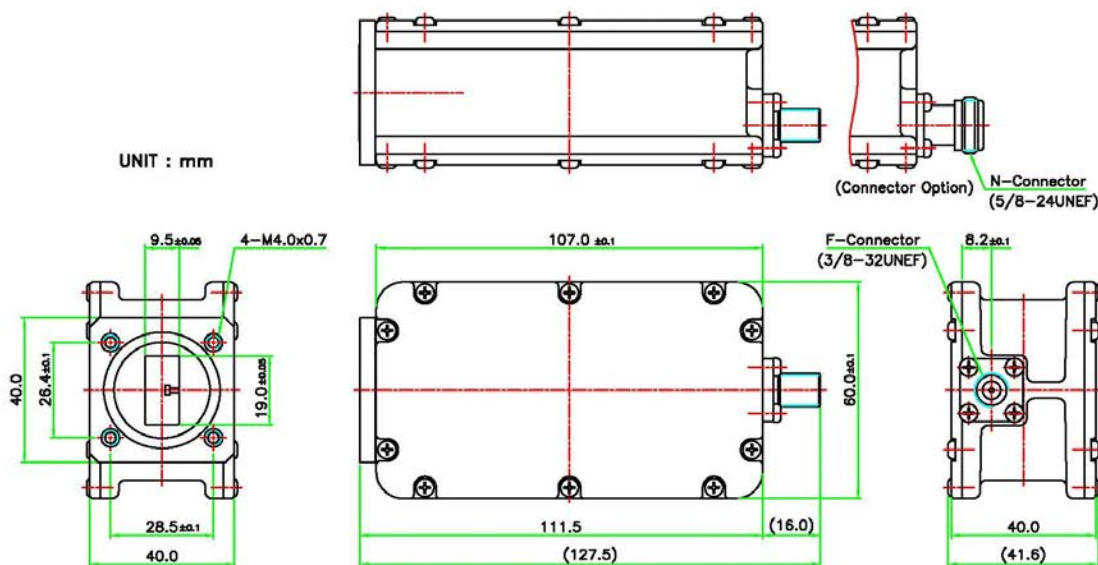
CONNECTOR	F - 75 Ohm N - 50 Ohm
INTERNAL REFERENCE	
NOISE FIGURE	08 - 0.8 dB
L.O. STABILITY	1: ± 10 kHz 2: ± 25 kHz
LNB SERIES #	

MECHANICAL DIAGRAMS



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