

1108HFN-2

1000 Ku-Band Single Band PLL LNB

Frequency: F: 11.70 - 12.75 GHz

L.O Stability: 1: ± 10 kHz

Output Connector: N-50 Ohm



KEY SPECIFICATIONS

Band	Ku-Band
Input Frequency Band 1	11.70 - 12.75 GHz
LO Frequency 1	10.75 GHz
LO Stability	± 10 kHz
LO Type	PLL
Noise Figure Max	1.0 dB
Noise Figure Typ	0.8 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 2000 MHz

RF SPECIFICATIONS

Conversion Gain Max	65 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Input VSWR	2.5 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.5 : 1 max.

ELECTRICAL SPECIFICATIONS

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

INTERFACE SPECIFICATIONS

RF Input Connector	WR-75 waveguide grooved
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M and C SPECIFICATIONS

Led Indicators	None
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ENVIRONMENTAL SPECIFICATIONS



Humidity	0 - 95%
IP Rating	IP 67
Temperature Operational	-40°C to +60°C
Temperature Storage	-40 to +80°C

PHYSICAL SPECIFICATIONS

Product Height	40 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		145 x 95 x 65 mm

MECHANICAL DIAGRAMS

