

1008XHCF

1000 Ku-Band Single Band EXT REF LNB

Noise Figure: 0.8 dB

Frequency: C: 10.95 - 11.70 GHz

Output Connector: F: 75 Ohm



KEY SPECIFICATIONS

Band	Ku-Band
External Ref Freq	10 MHz (sine-wave), - 10 to 0 dBm
Input Frequency Band 1	10.95 - 11.70 GHz
LO Frequency 1	10.00 GHz
LO Stability	Ext Ref
LO Type	EXT
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)	≤ 4 dB p-p
Input VSWR	2.5 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.0 : 1 max.
Phase Noise 1khz Offset Max	Phase Locked to External Reference
Phase Noise 10khz Offset Max	Phase Locked to External Reference
Phase Noise 100khz Offset Max	Phase Locked to External Reference

ELECTRICAL SPECIFICATIONS

Current Consumption	300 mA
Power Requirements	+15 to +24V DC

INTERFACE SPECIFICATIONS

IF Connector	F-Connector
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RF Input Connector

WR-75 waveguide grooved

M and C SPECIFICATIONS

Led Indicators

None

ENVIRONMENTAL SPECIFICATIONS

IP Rating

IP 67

Temperature Operational

-40 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

1009XHAN

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

EXTERNAL REFERENCE

NOISE FIGURE

07 - 0.7 dB

08 - 0.8 dB

09 - 0.9 dB

LNB SERIES #

MECHANICAL DIAGRAMS



Technical drawing of the F-Connector (3/8-32UNEF) showing front, side, and top views with dimensions in mm.

UNIT : mm

Front View (Left):

- Overall width: 42.0
- Overall height: 28.5 ± 0.1
- Inner width: 19.0 ± 0.05
- Inner height: 26.4 ± 0.1
- Four mounting holes: 4-M4.0x0.7 (Depth 6.0)
- Outer diameter: $\phi 25.0$
- Inner diameter: $\phi 30.0$

Side View (Middle):

- Overall length: 98.5
- Inner length: 96.0
- Overall height: 109.8
- Top flange thickness: 1.0

Top View (Right):

- Overall width: 42.0
- Overall height: 7.0



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