

# 1009XHAN

## 1000 Ku-Band Single Band EXT REF LNB

**Noise Figure:** 0.9 dB

**Frequency:** A: 11.70 - 12.20 GHz

**Output Connector:** N: 50 Ohm



## KEY SPECIFICATIONS

|                         |                                   |
|-------------------------|-----------------------------------|
| Band                    | Ku-Band                           |
| External Ref Freq       | 10 MHz (sine-wave), - 10 to 0 dBm |
| Input Frequency Band 1  | 11.70 - 12.20 GHz                 |
| LO Frequency 1          | 10.75 GHz                         |
| LO Stability            | Ext Ref                           |
| LO Type                 | EXT                               |
| Noise Figure Max        | 1.0 dB                            |
| Noise Figure Typ        | 0.9 dB                            |
| Number Of Onboard Los   | Single-Band                       |
| Output Frequency Band 1 | 950 - 1450 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 | 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 +80°C

## PHYSICAL SPECIFICATIONS

Product Height

42 mm

Product Length

130 mm

Product Weight

0.3 kg

Product Width

42 mm

## LOGISTICS SPECIFICATIONS

HS Code

Country of Origin

Ex Works

ECCN Number

Unit Package

8517690000

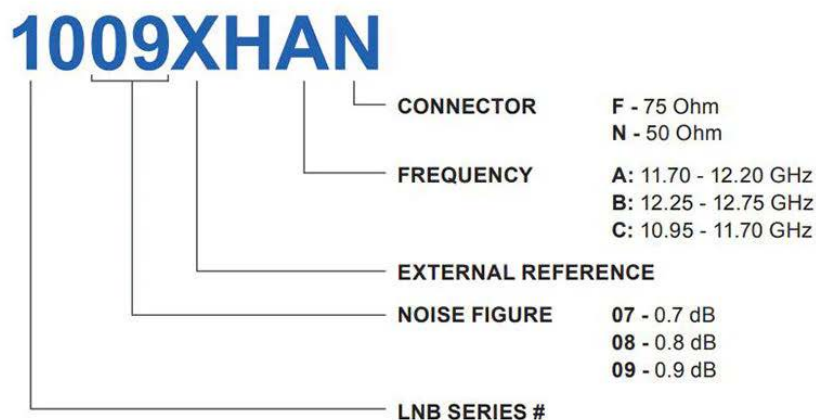
Made in the Republic of  
Korea

Richmond, BC, Canada

EAR99

140 x 50 x 50 mm |

## HOW TO ORDER

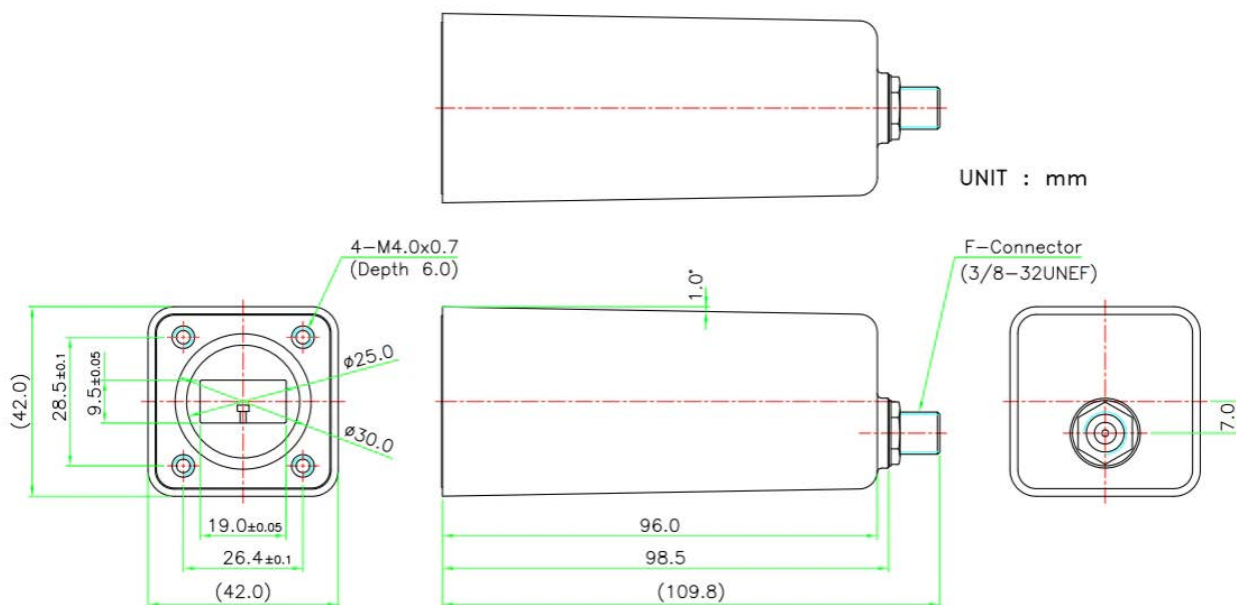


## MECHANICAL DIAGRAMS



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