

# 9000XAF-4

## 9000X-4 Single Band Ka-Band EXT REF LNB

**Frequency:** A: 18.2 - 19.2 GHz

**W/G Isolator:** No

**Output Connector:** F: 75 Ohm



## KEY SPECIFICATIONS

|                         |                                   |
|-------------------------|-----------------------------------|
| Band                    | Ka-Band                           |
| External Ref Freq       | 10 MHz (sine-wave), - 5 to +5 dBm |
| Input Frequency Band 1  | 18.20 - 19.20 GHz                 |
| LO Frequency 1          | 17.25 GHz                         |
| LO Stability            | 10 MHz Ext Ref                    |
| LO Type                 | EXT                               |
| Noise Figure Max        | 1.6 dB                            |
| Noise Figure Typ        | 1.5 dB                            |
| Number Of Onboard Los   | Single-Band                       |
| Output Frequency Band 1 | 950 - 1950 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 max.                 |
| Image Rejection                | 40 dBc min.                   |
| Input VSWR                     | 2.5 : 1 max.                  |
| Output P1db                    | + 5 dBm min.                  |
| Output VSWR                    | 2.5 : 1 max.                  |
| Phase Noise 100khz Offset Max  | Depends on External Reference |

## ELECTRICAL SPECIFICATIONS

|                     |                |
|---------------------|----------------|
| Current Consumption | 400 mA max.    |
| Power Requirements  | +12 to +24V DC |

## INTERFACE SPECIFICATIONS

|              |             |
|--------------|-------------|
| IF Connector | F-Connector |
| Isolator     | No Isolator |



RF Input Connector

WR-42 waveguide grooved

### M and C SPECIFICATIONS

Led Indicators

None

### ENVIRONMENTAL SPECIFICATIONS

IP Rating

IP 67

Temperature Operational

-40°C to +60°C

### PHYSICAL SPECIFICATIONS

Product Height

45.0 mm

Product Length

103.6 mm

Product Weight

0.42 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

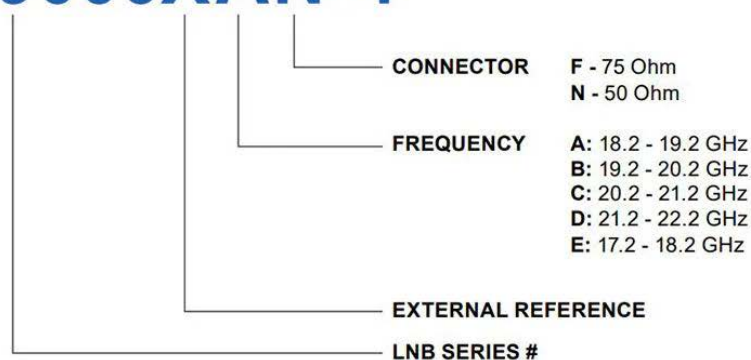
Richmond, BC, Canada

EAR99

140 x 95 x 65 mm | 0.48  
kg

### HOW TO ORDER

## 9000XAN-4

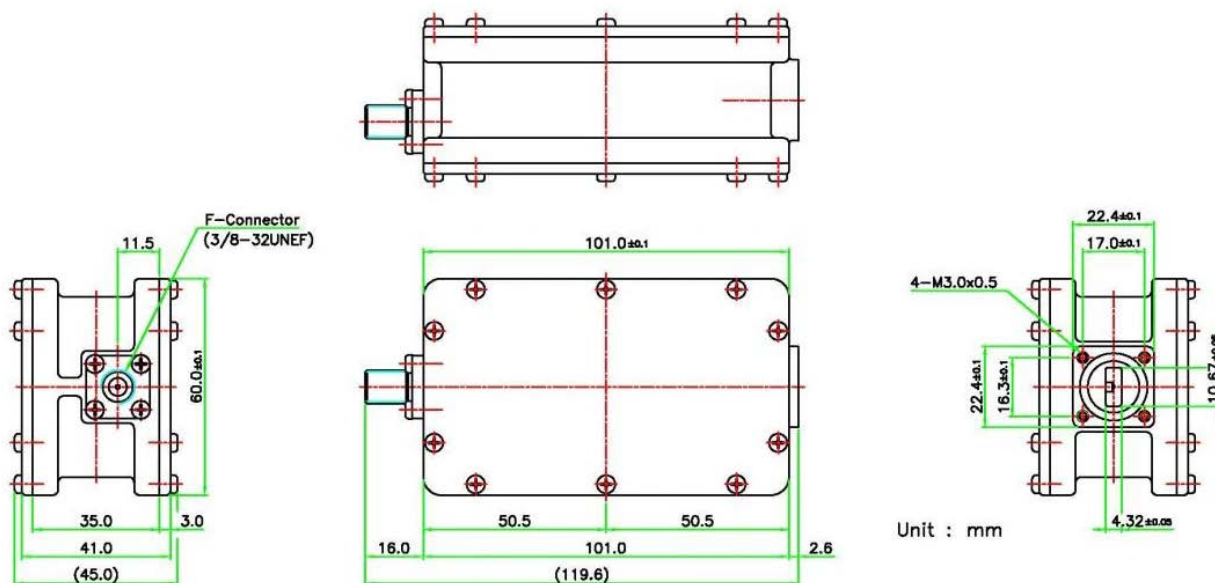


### MECHANICAL DIAGRAMS



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