

# 15007LCN

## 1000 Ku-Band Single Band PLL LNB

**Noise Figure:** 0.7 dB

**Frequency:** C: 10.95 - 11.70 GHz

**Output Connector:** N: 50 Ohm

Norsat's Low Noise Blocks (LNBs) provide signal reception for satellite communications around the world. We offer premium performance and reliability in the smallest form factor possible. All of our standard Ku-Band LNBs are backed by a 3 year warranty and nearly forty years of experience as the industry's leading provider of high performance LNBs. 15000L Series.



## KEY SPECIFICATIONS

|                         |                   |
|-------------------------|-------------------|
| Band                    | Ku-Band           |
| Input Frequency Band 1  | 10.95 - 11.70 GHz |
| LO Frequency 1          | 10.00 GHz         |
| LO Stability            | ±50 kHz           |
| LO Type                 | PLL               |
| Noise Figure Max        | 0.8 dB            |
| Noise Figure Typ        | 0.7 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        |
| Input VSWR          | 2.0 : 1 max. |
| Output VSWR         | 2.0 : 1 max. |

## ELECTRICAL SPECIFICATIONS

|                     |                |
|---------------------|----------------|
| Current Consumption | 170 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

Humidity

0 - 95%

Temperature Operational

-40°C to +60°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

# 15007LAF

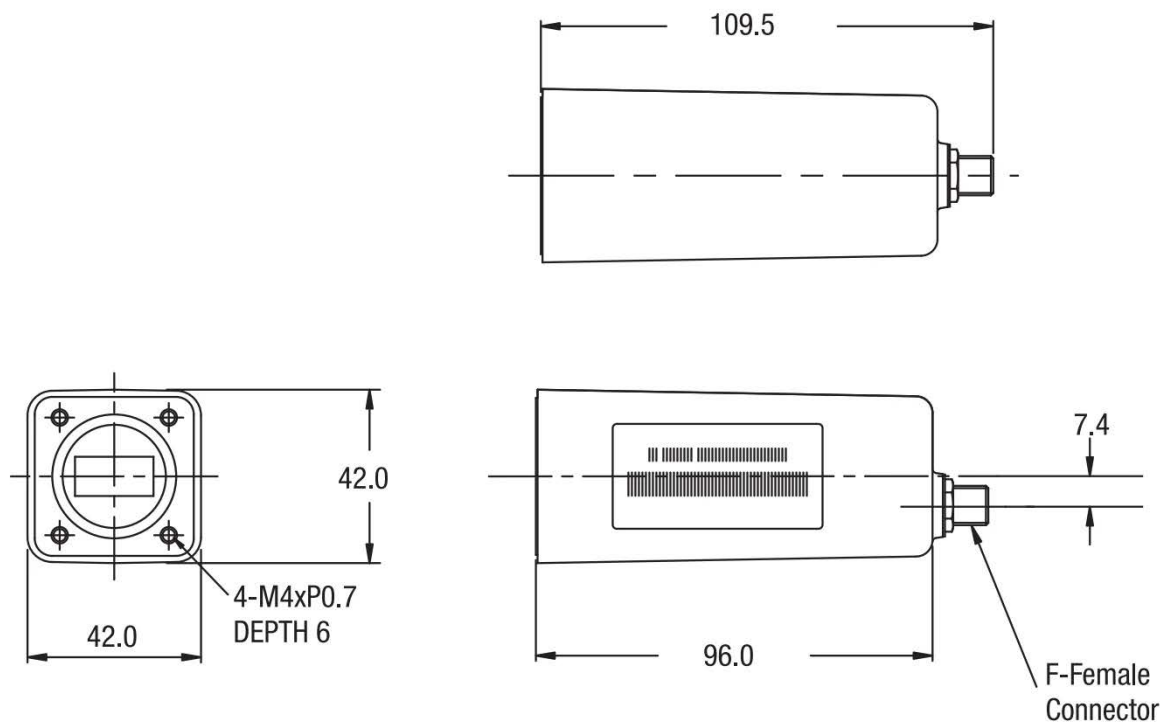
|                |                                                                         |
|----------------|-------------------------------------------------------------------------|
| CONNECTOR      | F - 75 Ohm<br>N - 50 Ohm                                                |
| FREQUENCY      | A - 11.70 - 12.20 GHz<br>B - 12.25 - 12.75 GHz<br>C - 10.95 - 11.70 GHz |
| NOISE FIGURE   | 07 - 0.7 dB<br>08 - 0.8 dB<br>09 - 0.9 dB                               |
| L.O. STABILITY | 50 - ±50 kHz                                                            |
| LNB SERIES #   |                                                                         |

### MECHANICAL DIAGRAMS



Norsat  
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Norsat authorized distributor

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