

# 9000XTABCF

## 9000XT Ka-Band Triple Band EXT REF LNB

**Frequency:** ABC: 18.20 - 21.20 GHz

**Output Connector:** F: 75 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 Ka-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. 9000XT Series.



## 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                 |
| Input Frequency Band 2  | 19.20 - 20.20 GHz                 |
| Input Frequency Band 3  | 20.20 - 21.20 GHz                 |
| LO Frequency 1          | 17.25 GHz                         |
| LO Frequency 2          | 18.25 GHz                         |
| LO Frequency 3          | 19.25 GHz                         |
| LO Stability            | Ext Ref                           |
| LO Type                 | EXT                               |
| Noise Figure Max        | 1.6 dB                            |
| Noise Figure Typ        | 1.3 dB                            |
| Number Of Onboard Los   | Triple-Band                       |
| Output Frequency Band 1 | 950 - 1950 MHz                    |
| Output Frequency Band 2 | 950 - 1950 MHz                    |
| Output Frequency Band 3 | 950 - 1950 MHz                    |

## RF SPECIFICATIONS

|                     |                  |
|---------------------|------------------|
| Control Signal 1    | 13V / No Tone    |
| Control Signal 2    | 18V / No Tone    |
| Control Signal 3    | 13V / 22kHz Tone |
| Conversion Gain Max | 65 dB            |
| Conversion Gain Min | 55 dB            |
| Conversion Gain Typ | 58 dB            |



## Innovative Communication Solutions

|                                |                               |
|--------------------------------|-------------------------------|
| Gain Flatness (over Full Band) | ≤ 5 dB p-p max.               |
| Input VSWR                     | 3.5 : 1 max.                  |
| Output P1db                    | + 3 dBm min.                  |
| Output VSWR                    | 2.5 : 1 max.                  |
| Phase Noise 100khz Offset Max  | Depends on External Reference |

## ELECTRICAL SPECIFICATIONS

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

## INTERFACE SPECIFICATIONS

|                    |                         |
|--------------------|-------------------------|
| IF Connector       | F-Connector             |
| RF Input Connector | WR-42 waveguide grooved |

## ENVIRONMENTAL SPECIFICATIONS

|                         |                |
|-------------------------|----------------|
| IP Rating               | IP 67          |
| Temperature Operational | -40°C to +60°C |
| Temperature Storage     | -40 to +80°C   |

## PHYSICAL SPECIFICATIONS

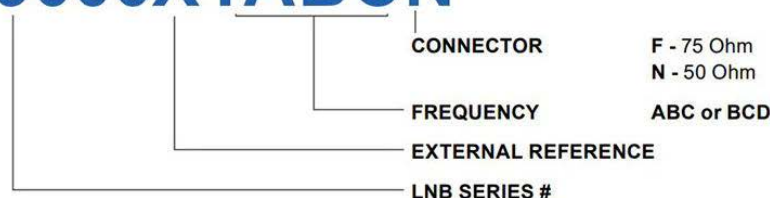
|                |         |
|----------------|---------|
| Product Height | 45 mm   |
| Product Length | 120 mm  |
| Product Weight | 0.42 kg |
| Product Width  | 60 mm   |

## LOGISTICS SPECIFICATIONS

| HS Code    | Country of Origin             | Ex Works             | ECCN Number | Unit Package                |
|------------|-------------------------------|----------------------|-------------|-----------------------------|
| 8517690000 | Made in the Republic of Korea | Richmond, BC, Canada | EAR99       | 190 x 115 x 77 mm   0.46 kg |

## HOW TO ORDER

# 9000XTABCN

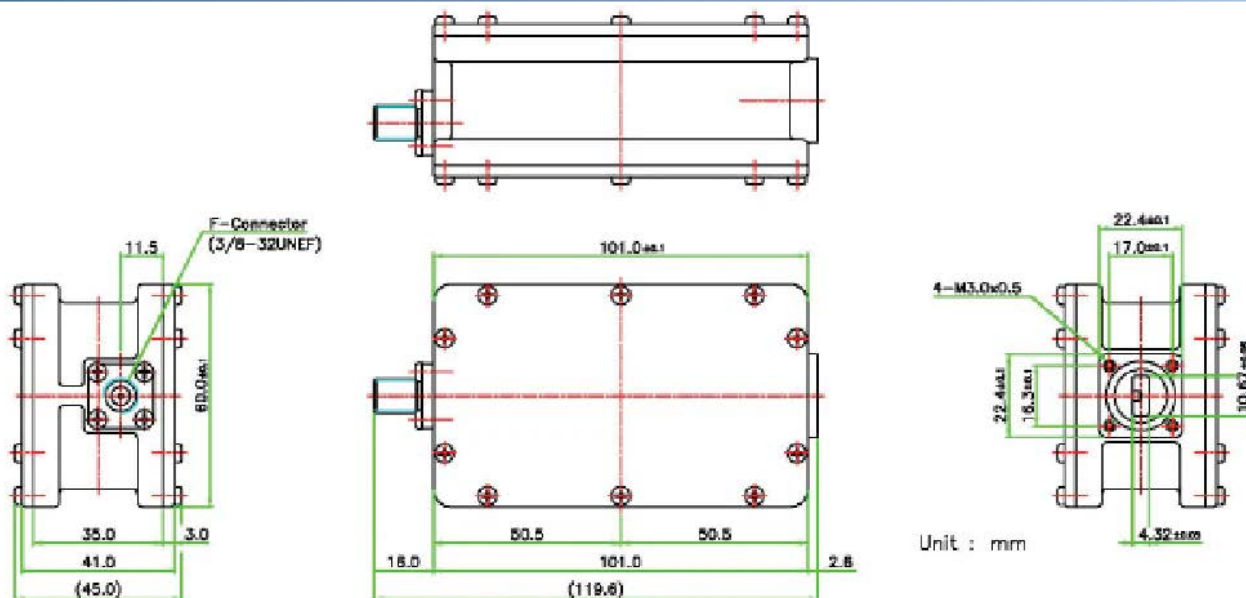


## MECHANICAL DIAGRAMS



Norsat  
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Innovative Communication Solutions



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