



**Norsat**  
International Inc.



Pioneering the Broadband Frontier

# BUC

## C-BAND 3010XPM

### 10W NON-INVERTED



#### FEATURES

- Compact size and light weight (ideal for direct mount on antenna OMT that provides no TX loss)
- Low power consumption
- Non-standard frequency range options available

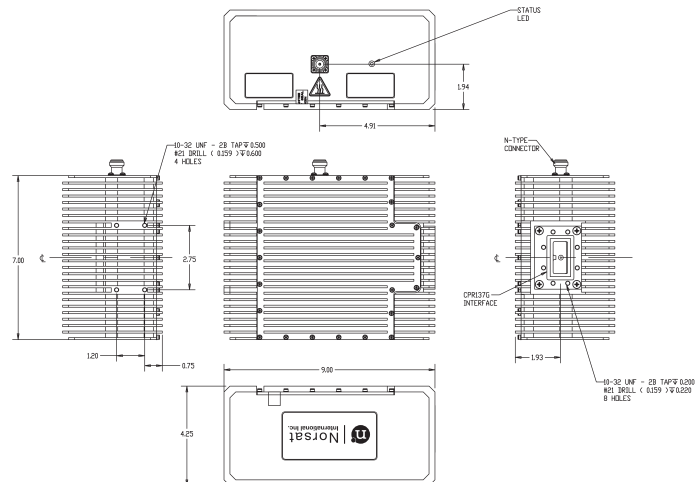
- FSK Interface (Mute control, RF power detection, Alarm status, Temperature monitoring, Lock status) via IF cable
- Both Internal and External 10 MHz reference options available
- Wide range of supply voltage 24-48 VDC for 10 W
- Status LED

#### TYPICAL SPECIFICATIONS

<b>Output frequency</b>	5.850 GHz to 6.425 GHz INSAT (6.725 GHz to 7.025 GHz) Palapa (6.425 GHz to 6.725 GHz)
<b>Input frequency</b>	950 to 1525 MHz INSAT (1275 to 1575 MHz) Palapa (975 to 1275 MHz)
<b>Output to P1dB</b>	40 dBm
<b>L.O. frequency</b>	4.9 GHz (5.450 GHz)
<b>Phase noise (SSB)</b>	meets IESS 308
<b>External reference signal frequency</b>	10 MHz (internal reference, optional)
<b>Power requirements</b>	+18 to +50 VDC
<b>Power consumption</b>	75 W
<b>Output waveguide</b>	CPR-137G

<b>External reference level</b>	0dBm to ±5 dBm (internal reference, optional)
<b>10 MHz external reference</b>	-135 dBc/Hz at 100 Hz
<b>Gain</b>	60 dB min
<b>Gain stability over temperature</b>	±3.0 dB p-p nominal
<b>Gain variation</b>	±1.0 dB p-p max over 36 MHz
<b>Temperature range</b>	-40°C to +55°C
<b>Dimensions</b>	228.6 (L) x 177.8 (W) x 76.2 (H) mm (9 x 7 x 3 in)
<b>Weight</b>	4 kg / 8.8 lb

#### MECHANICAL DIAGRAM



#### HOW TO ORDER

## 3010XPMN

<b>CONNECTOR</b>	F - 75 Ohm N - 50 Ohm
<b>FREQUENCY</b>	M - 5.850 - 6.425 GHz MI - 6.725 - 7.025 GHz MP - 6.425 - 6.725 GHz
<b>P1dB</b>	10 - 10W
<b>TRANSMITTER SERIES #</b>	



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