



## LNA-X1000N

### 1000 Single-Band X-Band LNA

Connector: N - 50 Ohm

Norsat's LNA's 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 X-Band LNAs are backed by forty years of experience as the industry's leading provider of high performance LNAs. X1000 Series.



### KEY SPECIFICATIONS

<b>Band</b>	X-Band
<b>Input Frequency Band 1</b>	7.25 - 7.75 GHz
<b>Noise Figure</b>	0.8 dB max. at room temp.

### RF SPECIFICATIONS

<b>Conversion Gain</b>	45 dB min., 50 dB typ., 55 dB max.
<b>Gain Flatness (Over Full Band)</b>	≤ 4 dB p-p
<b>Input V S W R</b>	2.0 : 1 max.
<b>Output P1D B</b>	+ 10 dBm min.

### ELECTRICAL SPECIFICATIONS

<b>Current Drain</b>	150 mA
<b>Power Requirements</b>	15 - 24 V

### INTERFACE SPECIFICATIONS

<b>R F Input Connector</b>	CPR-112G
<b>R F Output Connector</b>	N: 50 Ohm

### ENVIRONMENTAL SPECIFICATIONS

<b>Humidity</b>	0 - 95%
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Temperature Operational	-40 to +70°C
Temperature Storage	-50 to +80°C
Weight	550 g (19.40 oz)

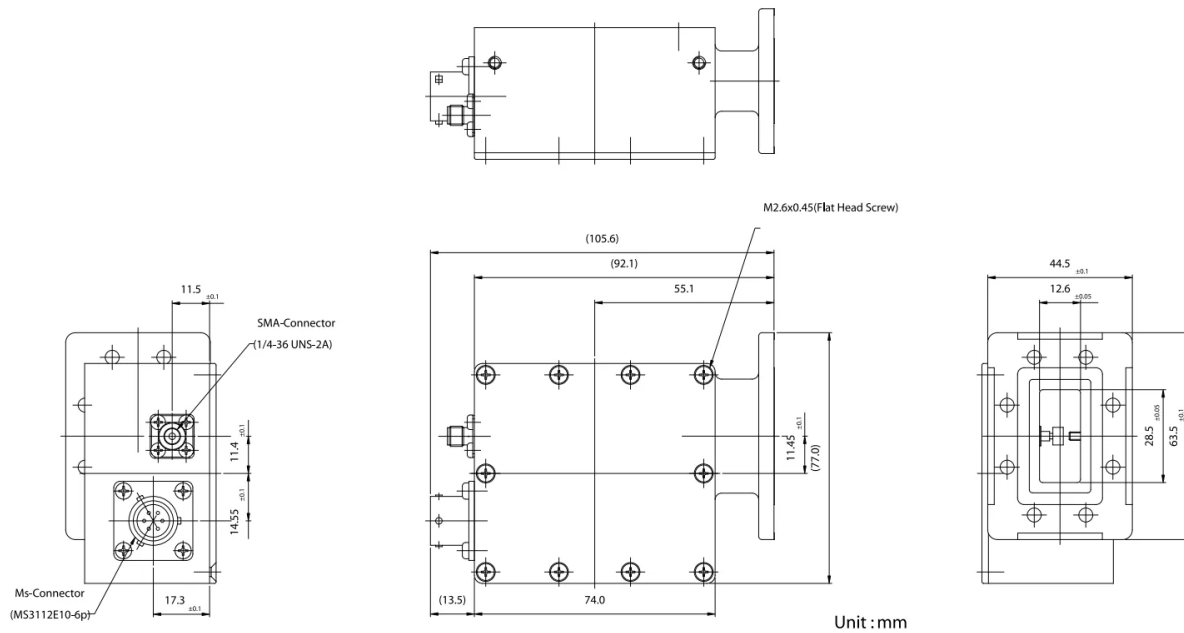
## PHYSICAL SPECIFICATIONS

Dimensions ( Lx Wx H )	106 x 77 x 47 mm
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## LOGISTICS SPECIFICATIONS

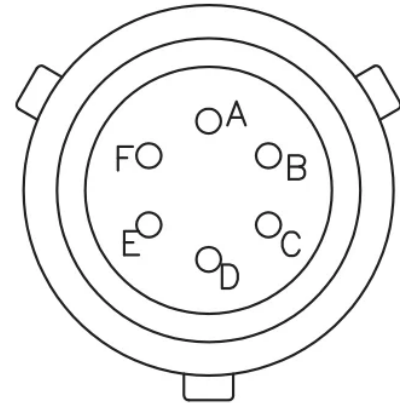
HS Code	Country of Origin	ECCN Number	Shipping Package
8517700000	Made in Korea	EAR99	N/A   550g

## MECHANICAL DIAGRAMS





Connector	Signal Name
A	Supply Voltage
B	GND
C	GND
D	NC
E	NC
F	NC



**Note:** Mating connector is supplied.