



LNA-X1000S

1000 Single-Band X-Band LNA

Connector: SMA - 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

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

RF SPECIFICATIONS

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

ELECTRICAL SPECIFICATIONS

Current Drain	150 mA
Power Requirements	15 - 24 V

INTERFACE SPECIFICATIONS

R F Input Connector	CPR-112G
R F Output Connector	S: SMA 50 Ohm

ENVIRONMENTAL SPECIFICATIONS

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

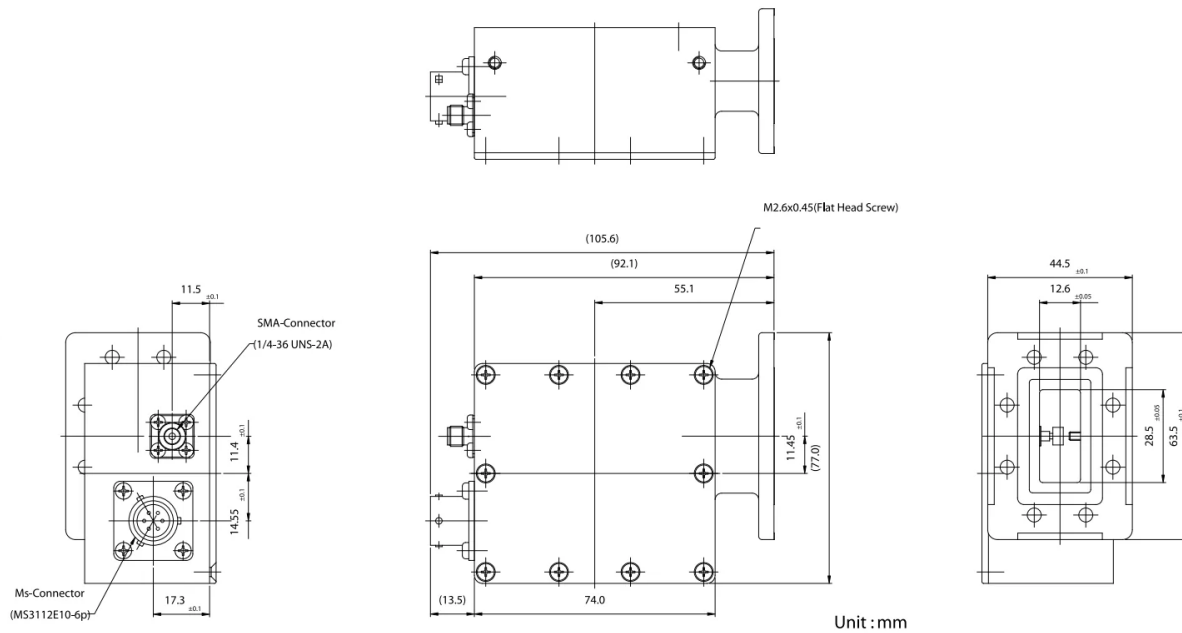
PHYSICAL SPECIFICATIONS

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

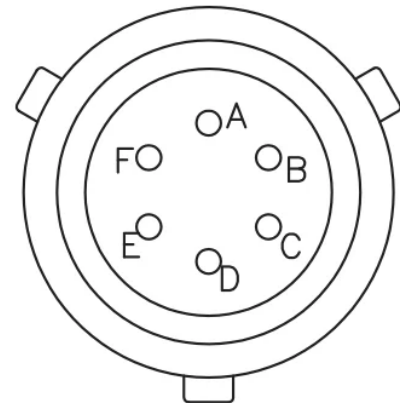
HS Code	Country of Origin	ECCN Number	Shipping Package
8517700000	Made in Korea	EAR99	N/A 550g

MECHANICAL DIAGRAMS





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



Note: Mating connector is supplied.