Norsat International Inc.

Innovative Communication Solutions

BUC-100521

10W Ku-Band 14.50-14.80 GHz BUC

Band: Ku-Band



KEY SPECIFICATIONS

Band	Ku-Band
IF Frequency Band	950 - 1250 MHz
LO Frequency	13.55 GHz
Output Frequency Band	14.50 - 14.80 GHz
Product Revision	A

RF SPECIFICATIONS

Frequency Sense	Non-Inverted
Gain Flatness (54MHz)	1.5 dB
Gain Flatness (Over Full Band)	4 dB
Gain Flatness (Over Temperature)	4 dB
Input Impedance	50 Ohm
Input VSWR	2 : 1
Linear Gain	67 dB typ.
Output Power P1db	+40 dBm typ
Output Spurious In Band	-60 dBc
Output Spurious Out Of Band	-50 dBc
Output VSWR	2 : 1
Phase Noise 0.1kHz Offset Max	-65 dBc/Hz
Phase Noise 1kHz Offset Max	-75 dBc/Hz
Phase Noise 10kHz Offset Max	-85 dBc/Hz
Phase Noise 100kHz Offset Max	-95 dBc/Hz

ELECTRICAL SPECIFICATIONS

Power Consumption	130 W max
Power Requirements	85-265 V AC

INTERFACE SPECIFICATIONS

IF Connector	N-Connector Female
RF Output Connector	WR-75G

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M and C SPECIFICATIONS

Internal Function	Lock detector shuts off Tx in case of LO unlocked

ENVIRONMENTAL SPECIFICATIONS

IP Rating	IP 67
Relative Humidity	Up to 100%
Temperature Operational	-40°C to +55°C

PHYSICAL SPECIFICATIONS

Product Length	220 mm
Product Width	194.2 mm
Product Height	149.3 mm
Product Weight	5.5 kg

SHIPPING INFORMATION

HS Code	8517690000
Country of Origin	Made in the Republic of Korea
Ex Works	Richmond, BC, Canada
ECCN Number	EAR99
Warranty	1 year
Unit Package Dimensions	-
Unit Package Weight	-
Total Aluminium Content	-
Aluminum Country of Smelt and Cast	-
Total Aluminium Value	-

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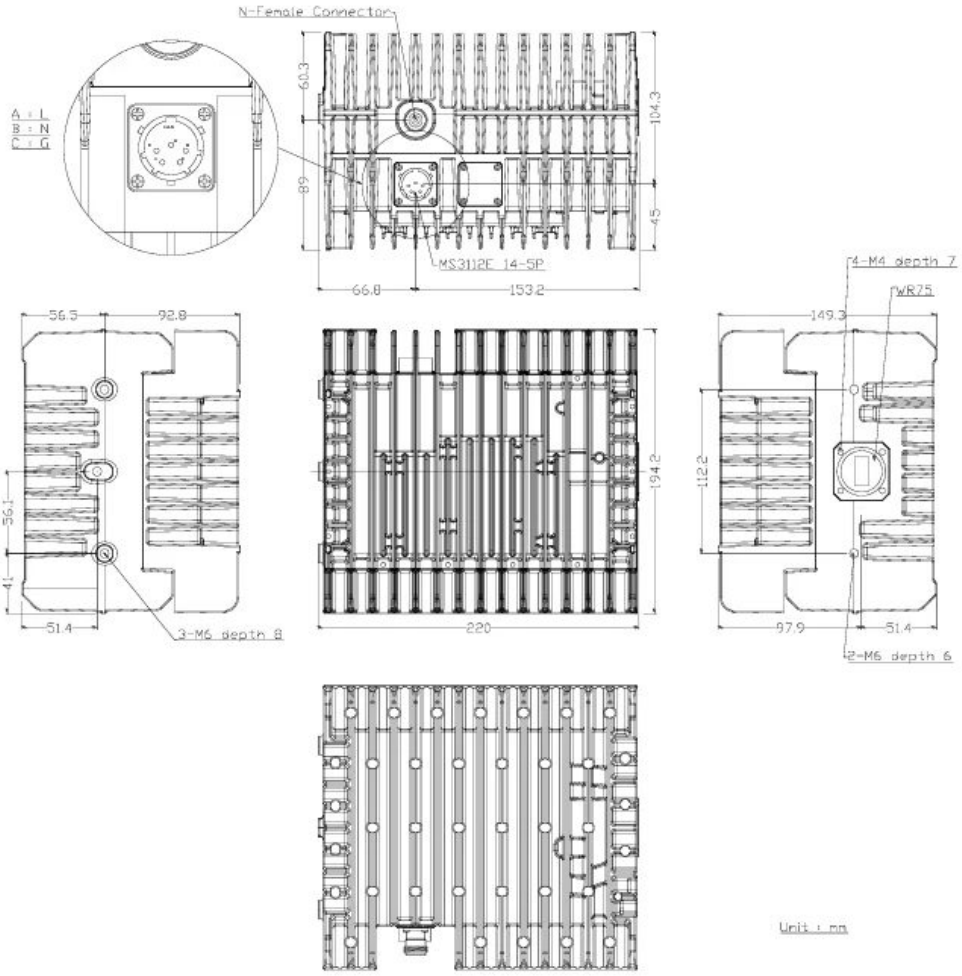
MECHANICAL DIAGRAMS



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