Norsat International Inc.

Innovative Communication Solutions

ELMTBKU050HT-SN

ELEMENT 50W Ku-Band MINIBUC (High Temperature Range)

Input Frequency: 14.00 - 14.50 GHz
Connector: N-Connector
M&C Function: No M&C Function



KEY SPECIFICATIONS

Band	Ku-Band
External Ref Freq	10 MHz, -5 to +5 dBm
Input Frequency Band 1	950 - 1450 MHz
Output Frequency Band 1	14.00 - 14.50 GHz
Output Power Rated	50W
Reference Type	Internal

RF SPECIFICATIONS

Gain Flatness (Over 54 M Hz)	1.5 dB
Gain Flatness (Over Full Band)	4 dB
Gain Flatness (Over Temperature)	4 dB
Input V S W R	2 : 1 max.
Linear Gain	72 dB typ.
Output P1D B	+47 dBm typ. / +46 dBm min. over temperature
Output Spurious In Band	-60 dBc
Output Spurious Out Of Band	-50 dBc
Output V S W R	2 : 1 max.
Phase Noise 100Hz Offset	-65 dBc/Hz
Phase Noise 100Khz Offset	-95 dBc/Hz
Phase Noise 10Khz Offset	-85 dBc/Hz
Phase Noise 1Khz Offset	-75 dBc/Hz

CE

Last updated: 2024/06/19

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sales@norsat.com
www.norsat.com

ELECTRICAL SPECIFICATIONS

Current Drain	390W max.
Input Voltage	36-60 VDC

INTERFACE SPECIFICATIONS

Frequency Sense	Non-inverted
R F Input Connector	N-Connector

ENVIRONMENTAL SPECIFICATIONS

Humidity	Up to 100%
I P Rating	IP55
Temperature Operational	-40 to +55°C
Temperature Storage	-40 to +60°C

PHYSICAL SPECIFICATIONS

Internal Function	Lock detector shuts off Tx in case of LO unlocked
Product Dimensions (Lx Wx H)	245 x 125 x 125 mm
Product Weight	4 kg

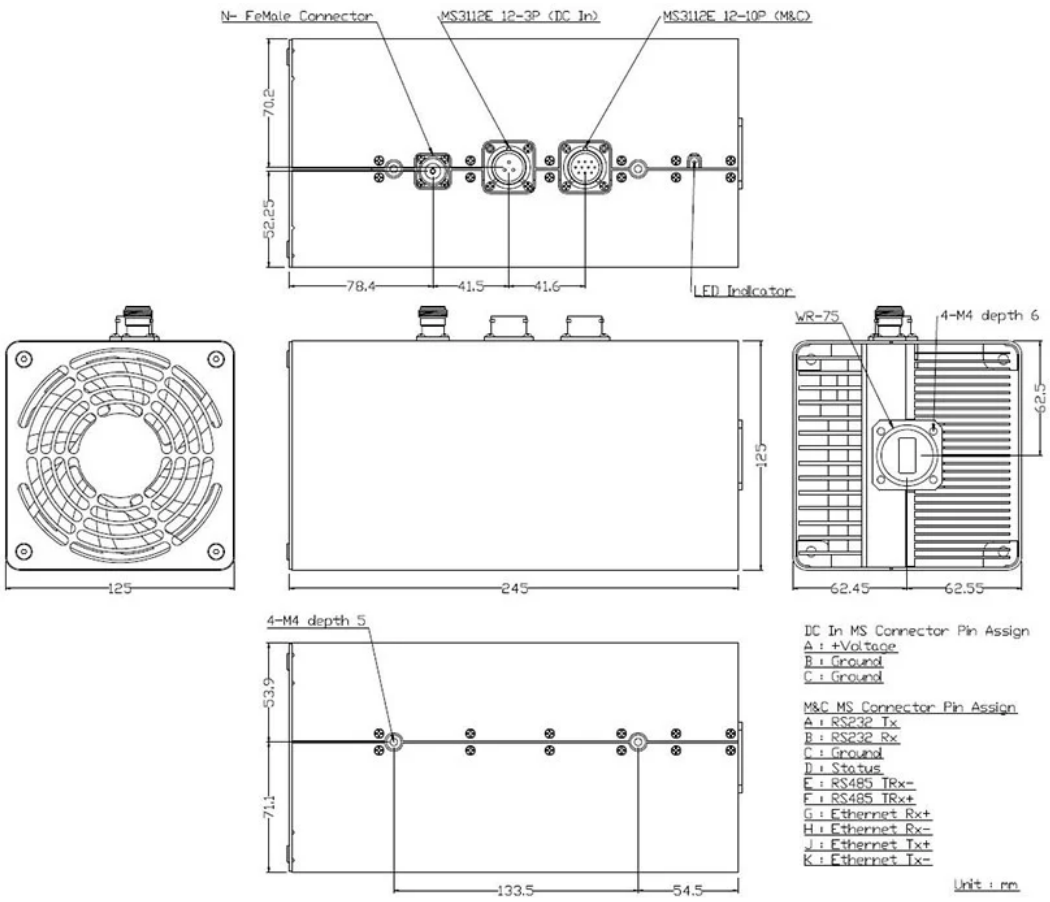
LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	ECCN Number	Unit Package
8543700000	Made in Korea	EAR99	290 x 270 x 250 mm | 4.5 kg

MECHANICAL DIAGRAMS

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