Norsat International Inc.

Innovative Communication Solutions

ELMTBKU050T-SN

ELEMENT 50W Ku-Band EXT REF 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	External

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	-125 dBc/Hz max.
Phase Noise 100Khz Offset	-95 dBc/Hz
Phase Noise 10Khz Offset	-140 dBc/Hz max.
Phase Noise 1Khz Offset	-135 dBc/Hz max.

CE

Last updated: 2024/06/19

© Copyright Norsat International Inc. All Rights Reserved. Specifications are subject to change without notice. Final product may not be as illustrated. The information contained herein does not constitute part of any order or contract.

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

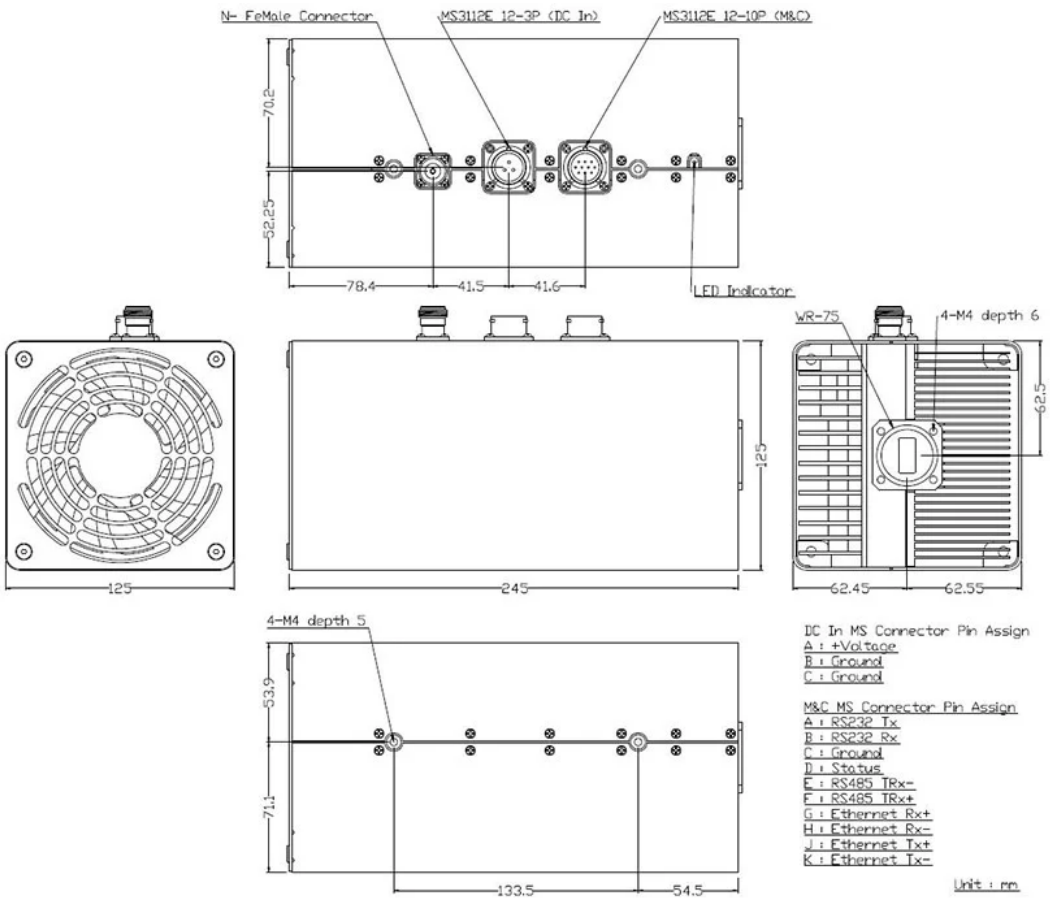
LOGISTICS SPECIFICATIONS

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

Last updated: 2024/06/19

© Copyright Norsat International Inc. All Rights Reserved. Specifications are subject to change without notice. Final product may not be as illustrated. The information contained herein does not constitute part of any order or contract.



Last updated: 2024/06/19

© Copyright Norsat International Inc. All Rights Reserved. Specifications are subject to change without notice. Final product may not be as illustrated. The information contained herein does not constitute part of any order or contract.