

Innovative Communication Solutions

ELMTBKU050H-AF-

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ELEMENT 50W Ku-Band MINIBUC

Input Frequency: 12.75 - 13.25 GHz Input Connector: F-Connector M&C Function: RS-232 & amp; RS-485



KEY SPECIFICATIONS

Band	Ku-Band
External Ref Freq	10 MHz, -5 to +5 dBm
Input Frequency Band 1	950 - 1450 MHz
LO Frequency 1	11.80 GHz
Output Frequency Band 1	12.75 - 13.25 GHz
Output Power Rated	50W
Reference Type	Internal Reference

RF SPECIFICATIONS

Gain Flatness (over 54mhz)	1.5 dB
Gain Flatness (over Full Band)	4 dB
Gain Flatness (over Temperature)	4 dB
Input VSWR	2 : 1 max.
Linear Gain	72 dB typ.
Output P1db	+47 dBm typ.
Output Spurious In Band	-60 dBc
Output Spurious Out Of Band	-50 dBc
Output VSWR	2 : 1 max.
Phase Noise 100khz Offset Max	-95 dBc/Hz
Phase Noise 10khz Offset Max	-85 dBc/Hz
Phase Noise 1khz Offset Max	-75 dBc/Hz

ELECTRICAL SPECIFICATIONS

Current	Consumption
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390W max.

Norsat International Inc.



			Innovative Com	munication Solutions		
Power Requirements		+	+36 to +60V DC			
INTERFACE SP	PECIFICATION	S				
Frequency Sense		Ν	Non-inverted			
IF Connector		F	F-Connector			
ENVIRONMENTAL SPECIFICATIONS						
Humidity		L	Up to 100%			
IP Rating		II	IP 55			
Temperature Operational		-4	-40 to +55°C			
PHYSICAL SPECIFICATIONS						
Internal Function			Lock detector shuts off Tx in case of LO unlocked			
Product Dimensions (LxWxH)		245 x 125 x 125 mm				
Product Weight		4	4 kg			
LOGISTICS SPECIFICATIONS						
HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package		
8543700000	Made in Korea	Korea	EAR99	290 x 270 x 250 mm 4.5 kg		

HOW TO ORDER



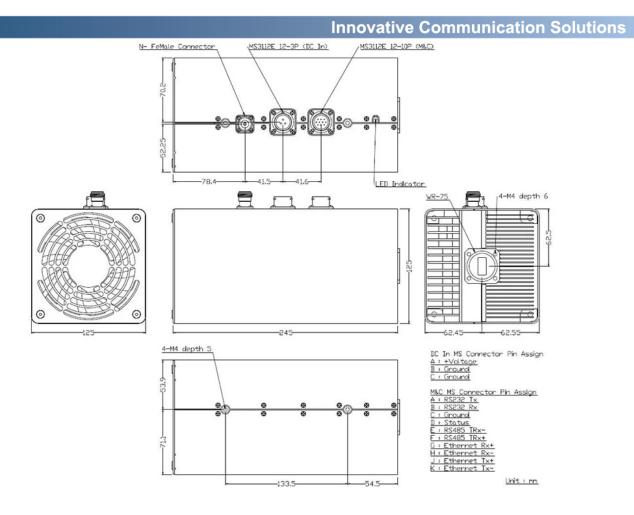
M&C FUNCTION BLANK: Opt-out E: Ethernet M: RS-232 & RS-485 KU: Ku-Band B: BUC POWER CONNECTOR F: 75 Ohm 050: 50W N: 50 Ohm ELEMENT SERIES S: 14.00 - 14.50 GHz (Standard) FREQUENCY E: 13.75 - 14.50 GHz (Extended) A: 12.75 - 13.25 GHz (Band A) OPERATING BLANK: -40 to 55°C TEMPERATURE T: -40 to 60°C REFERENCE BLANK: External Reference H: Internal Reference

MECHANICAL DIAGRAMS



Norsat International Inc. CE







Esatcom Inc Norsat authorized distributor www.esatcom.com Tel 718.276.0800 Email sales@esatcom.com