

Innovative Communication Solutions

ELMTBKU040HT-SF

ELEMENT 40W Ku-Band MINIBUC

(High Temperature Range)

Input Frequency: 14.00 - 14.50 GHz Input Connector: F-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
LO Frequency 1	13.05 GHz
Output Frequency Band 1	14.00 - 14.50 GHz
Output Power Rated	40W
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	+46 dBm min. over temperature
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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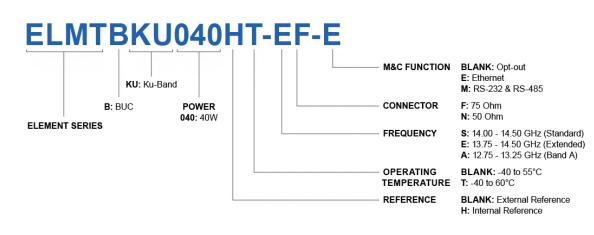
390W max.





			Innovative Com	munication Solutions		
Power Requirements		+	+36 to +60V DC			
INTERFACE SI	PECIFICATION	S				
Frequency Sense		1	Non-inverted			
IF Connector		F	F-Connector			
ENVIRONMENTAL SPECIFICATIONS						
Humidity		ι	Up to 100%			
IP Rating		IP 55				
Temperature Operationa	I	-	-40 to +60°C			
PHYSICAL SPECIFICATIONS						
Internal Function Lock detector shuts off Tx in case of LO			of LO unlocked			
Product Dimensions (LxWxH)		245 x 125 x 125 mm				
Product Weight			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

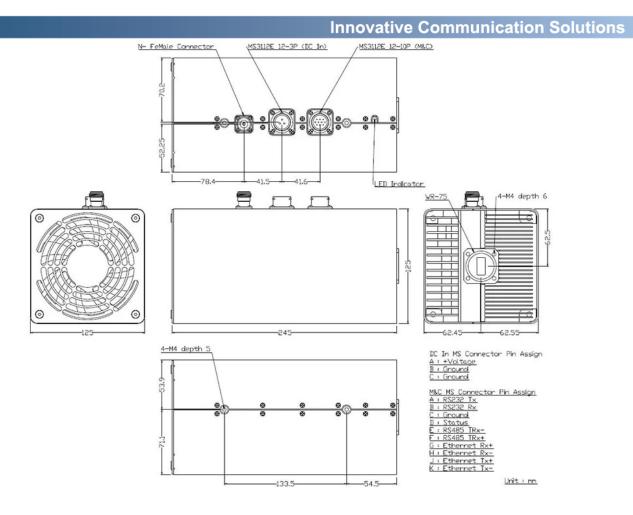


MECHANICAL DIAGRAMS



CE







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