

Innovative Communication Solutions

ELMTBKU050HT-EF

ELEMENT 50W Ku-Band MINIBUC

(High Temperature Range)

Input Frequency: 13.75 - 14.50 GHz 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 - 1700 MHz
Output Frequency Band 1	13.75 - 14.50 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. / +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	390W max.
Power Requirements	+36 to +60V DC



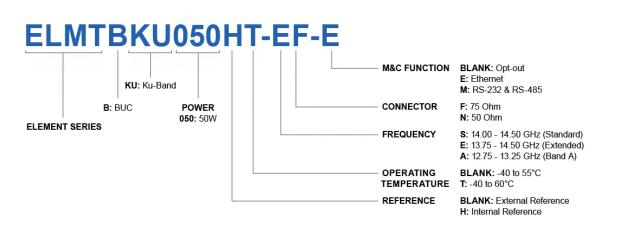


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INTERFACE	E SPECIFICATION	S		
Frequency Sense			Non-inverted	
RF Input Connecto	Dr		F-Connector	
ENVIRONM	IENTAL SPECIFIC	ATIONS		
Humidity			Up to 100%	
IP Rating			IP 55	
Temperature Opera	ational		-40 to +55°C	
Temperature Stora	ge		-40 to +60°C	
PHYSICAL	SPECIFICATIONS			
Internal Function			Lock detector shuts off Tx in case of	LO unlocked
Product Dimension	is (LxWxH)		245 x 125 x 125 mm	
Product Weight			4 kg	
LOGISTICS	SPECIFICATIONS	5		
HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package

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8543700000	Made in Korea	Korea	EAR99	290 x 270 x 250 mm 4.5 kg

HOW TO ORDER

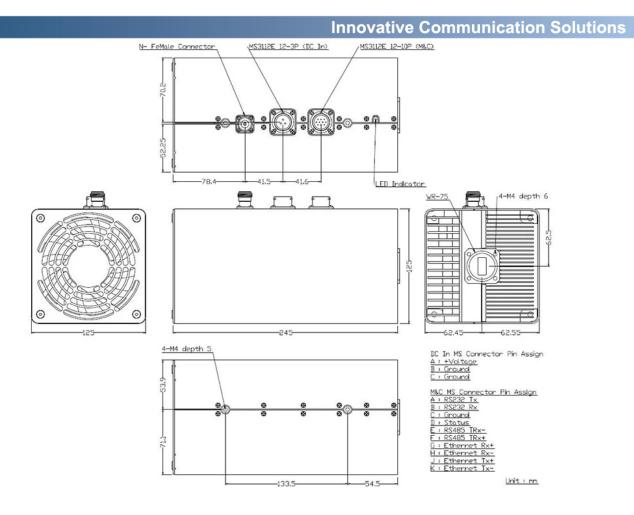


MECHANICAL DIAGRAMS



CE







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