

# International Inc.

#### **Innovative Communication Solutions**

## ELMTBC050T-SF-D

### ELEMENT 50W C-Band EXT BUC (High

#### **Temperature Range)**

Input Frequency: S: 5.850 - 6.425 GHz Input Connector: F-Connector Input Voltage + M&C 36-60 VDC + No M&C Function: Function



#### **KEY SPECIFICATIONS**

Band	C-Band		
External Ref Freq	10 MHz, -5 to +5 dBm		
Input Frequency Band 1	950 - 1525 MHz		
LO Frequency 1	4.9 GHz		
Output Frequency Band 1	5.850 - 6.425 GHz		
Output Power Rated	50W		
Reference Type	External 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	73 dB typ.		
Output P1db	+47 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	-140 dBc/Hz max.		
Phase Noise 1khz Offset Max	-135 dBc/Hz max.		



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**ELECTRICAL SPECIFICATIONS** 

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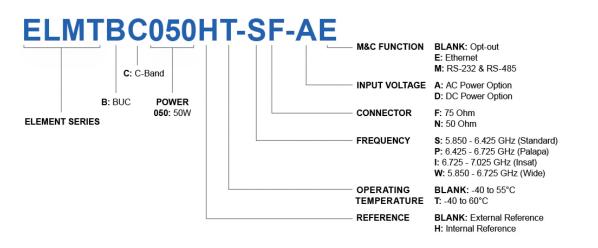
Current Consumption	290W DC max.			
Power Requirements	+36 to +60V DC			
INTERFACE SPECIFICATIONS				
Frequency Sense	Non-inverted			
IF Connector	F-Connector			
ENVIRONMENTAL SPECIFICATIONS				
Humidity	Up to 100%			
IP Rating	IP 54			
Temperature Operational	-40 to +60°C			
Temperature Storage	-40 to +75°C			
PHYSICAL SPECIFICATIONS				

Internal Function	Lock detector shuts off Tx in case of LO unlocked	
Product Dimensions (LxWxH)	220 x 195 x 138 mm	
Product Weight	6.0 kg	

#### LOGISTICS SPECIFICATIONS

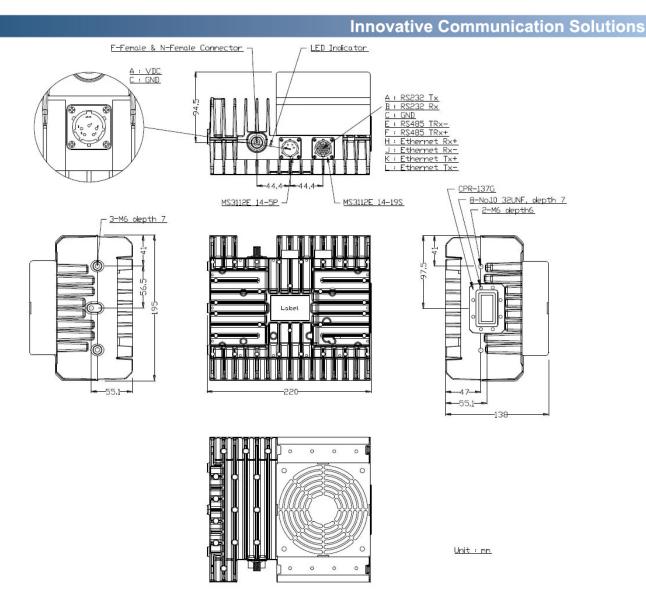
HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8543700000	Made in Korea	Korea	EAR99	290 x 270 x 250 mm   8.5 kg

#### HOW TO ORDER



#### **MECHANICAL DIAGRAMS**







Revision A

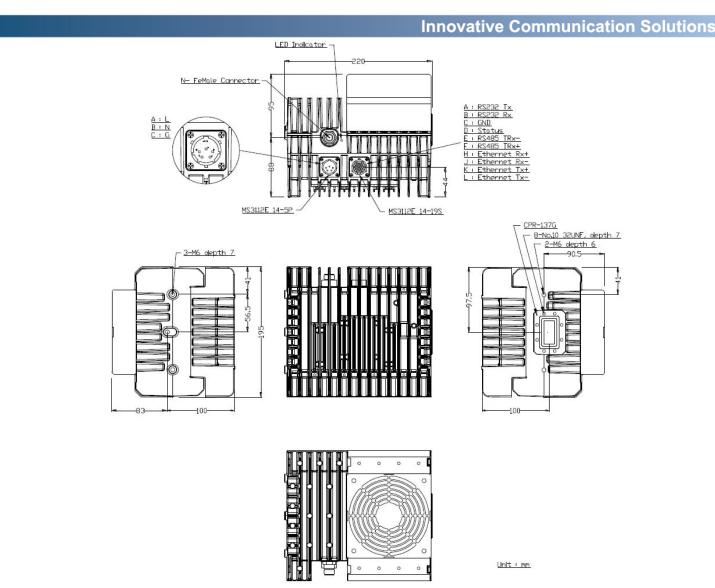


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