

Innovative Communication Solutions

ELMTBC100H-PF-A ELEMENT 100W C-Band BUC

Input Frequency: 6.425 - 6.725 GHz Input Connector: F-Connector Input Voltage + M&C 85-265 VAC + No M&C Function: Function



KEY SPECIFICATIONS

Band	C-Band
External Ref Freq	10 MHz, -5 to +5 dBm
Input Frequency Band 1	1150 - 1450 MHz
LO Frequency 1	5.275 GHz
Output Frequency Band 1	6.425 - 6.725 GHz
Output Power Rated	100W
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	80 dB typ.		
Output P1db	+50 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		



CE



FLECTRICAL SPECIFICATIONS

Innovative Communication Solutions

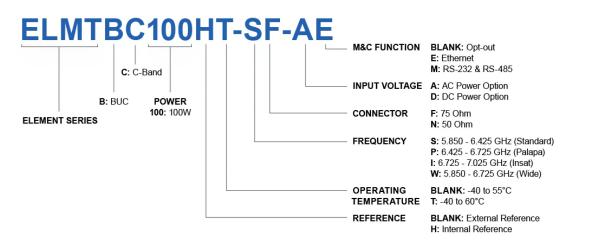
Current Consumption	650W max.			
Power Requirements	+85 to +265V AC			
INTERFACE SPECIFICATIONS				
Frequency Sense	Non-inverted			
IF Connector	F-Connector			
ENVIRONMENTAL SPECIFI	CATIONS			
Humidity	Up to 100%			
IP Rating	IP 54			
Temperature Operational	-40 to +55°C			
Temperature Storage	-40 to +75°C			
PHYSICAL SPECIFICATION	c			

Internal Function	Lock detector shuts off Tx in case of LO unlocked	
Product Dimensions (LxWxH)	235 x 190 x 145 mm	
Product Weight	7.5 kg (+1.0 kg mounting jig)	

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

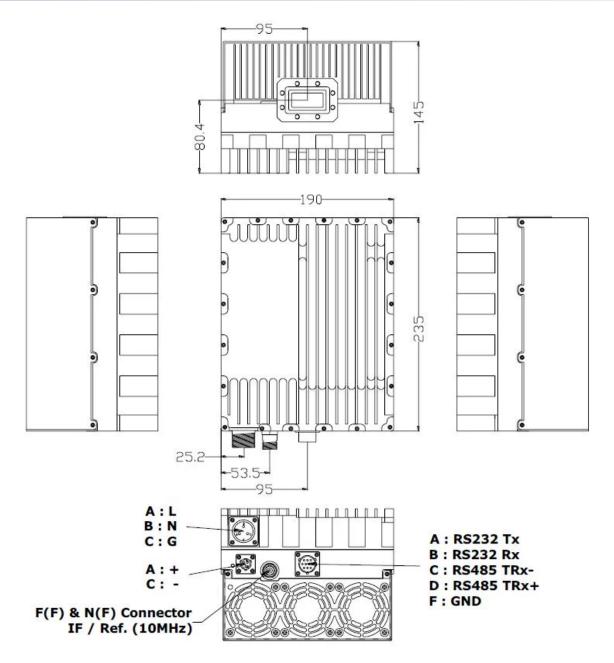


MECHANICAL DIAGRAMS

lorsat Int









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