

Innovative Communication Solutions

ELMTBC100HT-IN-

AM

ELEMENT 100W C-Band BUC (High

Temperature Range)

Input Frequency: 6.725 - 7.025 GHz Input Connector: N-Connector Input Voltage + M&C 85-265 VAC + RS-232 & Function: RS-485



KEY SPECIFICATIONS

Band	C-Band		
External Ref Freq	10 MHz, -5 to +5 dBm		
Input Frequency Band 1	975 - 1275 MHz		
LO Frequency 1	5.75 GHz		
Output Frequency Band 1	6.725 - 7.025 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

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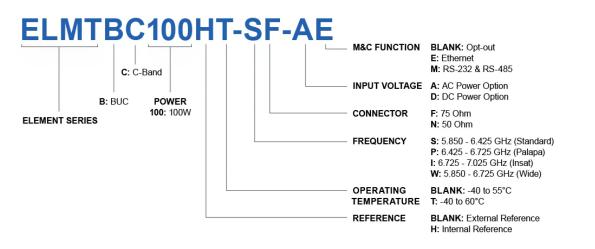
Current Consumption	650W max.			
Power Requirements	+85 to +265V AC			
INTERFACE SPECIFICATIONS				
Frequency Sense	Non-inverted			
IF Connector	N-Connector			
ENVIRONMENTAL SPECIFICATIONS				
Humidity	Up to 100%			
IP Rating	IP 54			
Temperature Operational	-40 to +60°C			
Temperature Storage	-40 to +75°C			
PHYSICAL SPECIFICATIONS				

Internal Function	Lock detector shuts off Tx in case of LO unlocked	
Product Dimensions (LxWxH)	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

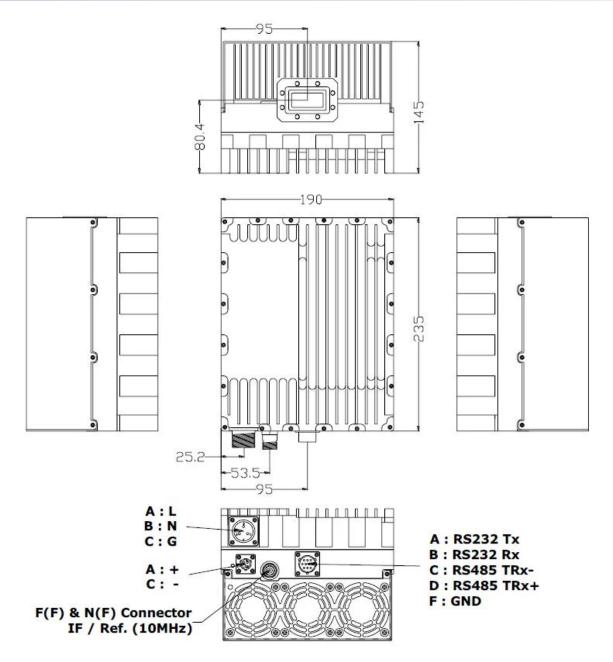


MECHANICAL DIAGRAMS











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