

Innovative Communication Solutions

ELMTBC100-WF-AE

ELEMENT 100W C-Band EXT REF

BUC

Input Frequency: 5.850 - 6.725 GHz **Input Connector:** F-Connector

Input Voltage + M&C Function: 85-265 VAC + Ethernet



KEY SPECIFICATIONS

Band C-Band

External Ref Freq 10 MHz, -5 to +5 dBm

Input Frequency Band 1 950 - 1825 MHz

LO Frequency 1 4.9 GHz

Output Frequency Band 1 5.850 - 6.725 GHz

Output Power Rated 100W

Reference Type External Reference

RF SPECIFICATIONS

Gain Flatness (over 54mhz) 1.5 dB

Gain Flatness (over Full Band) 5 dB

Gain Flatness (over Temperature) 4 dB

Input VSWR2:1 max.Linear Gain80 dB typ.

Output P1db +50 dBm min. over temperature

Output Spurious In Band -55 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

Current Consumption 650W max.

Power Requirements +85 to +265V AC

INTERFACE SPECIFICATIONS

Frequency Sense Non-inverted

IF Connector F-Connector

ENVIRONMENTAL SPECIFICATIONS

Humidity Up to 100%

IP Rating IP 54

Temperature Operational -40 to +55°C

Temperature Storage -40 to +75°C

PHYSICAL SPECIFICATIONS

Internal Function Lock detector shuts off Tx in case of LO unlocked

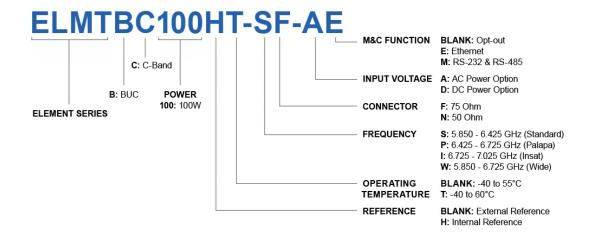
Product Dimensions (LxWxH) 235 x 190 x 145 mm

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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