

# **Innovative Communication Solutions**

# **ELMTBC100T-SF-A**

# ELEMENT 100W C-Band EXT REF BUC (High Temperature Range)

**Input Frequency:** 5.850 - 6.425 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 1 950 - 1525 MHz

LO Frequency 1 4.9 GHz

Output Frequency Band 1 5.850 - 6.425 GHz

Output Power Rated 100W

Reference Type External Reference

#### **RF SPECIFICATIONS**

Gain Flatness (over Temperature)

Gain Flatness (over 54mhz) 1.5 dB

Gain Flatness (over Full Band) 4 dB

Input VSWR 2:1 max.

Linear Gain 80 dB typ.

Output P1db +50 dBm min. over temperature

4 dB

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**

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 +60°C
Temperature Storage -40 to +75°C

# PHYSICAL SPECIFICATIONS

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

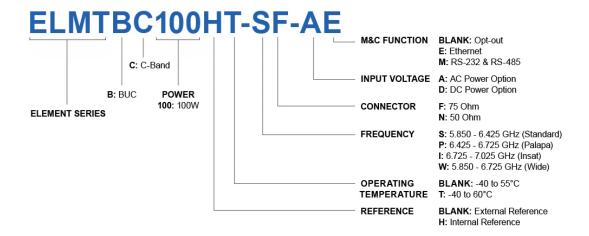
Product Dimensions (LxWxH) 235 x 190 x 145 mm

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**

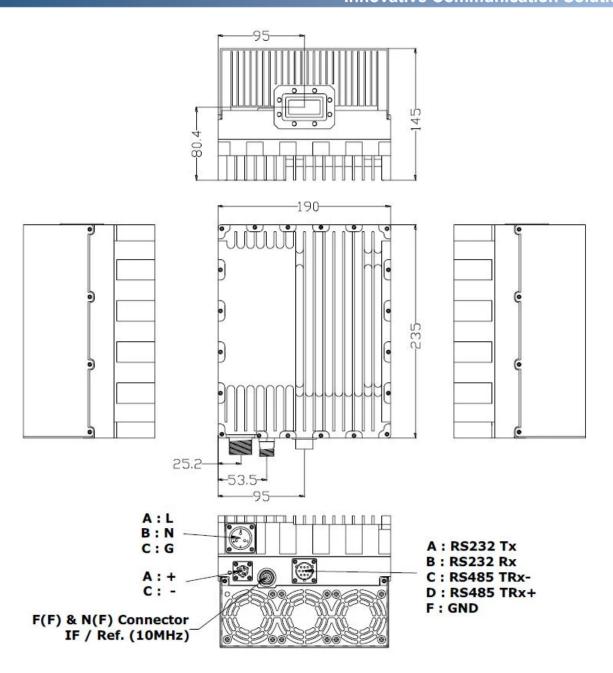


#### **MECHANICAL DIAGRAMS**





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