

# **Innovative Communication Solutions**

# ELMTBC100-IF-A

## **ELEMENT 100W C-Band EXT REF**

#### **BUC**

**Input Frequency:** 6.725 - 7.025 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 1 975 - 1275 MHz

LO Frequency 1 5.75 GHz

Output Frequency Band 1 6.725 - 7.025 GHz

Output Power Rated 100W

Reference Type External Reference

### RF SPECIFICATIONS

Input VSWR

**Gain Flatness (over 54mhz)** 1.5 dB

Gain Flatness (over Full Band) 4 dB

Gain Flatness (over Temperature) 4 dB

Linear Gain 80 dB typ.

Output P1db +50 dBm min. over temperature

2:1 max.

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 +55°C

Temperature Storage -40 to +75°C

## PHYSICAL SPECIFICATIONS

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

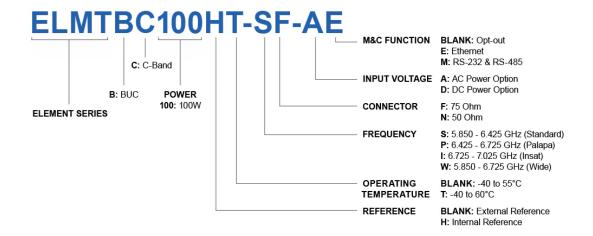
Product Dimensions (LxWxH) 235 x 190 x 145 mm

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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