

# **Innovative Communication Solutions**

# **ELMTBC080-PF-AE**

# **ELEMENT 80W C-Band EXT REF BUC**

Input Frequency: P: 6.425 - 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 1150 - 1450 MHz

LO Frequency 1 5.275 GHz

Output Frequency Band 1 6.425 - 6.725 GHz

**Output Power Rated** 80W

Reference Type External 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** +49 dBm min. over temperature

2:1 max.

**Output Spurious In Band** -60 dBc

**Output Spurious Out Of Band** -50 dBc **Output VSWR** 

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

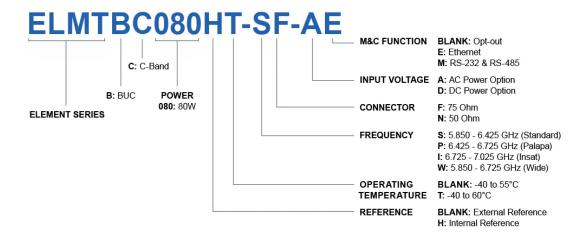
Product Dimensions (LxWxH) 235 x 190 x 145 mm

Product Weight 8.5 kg

#### 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 ka

#### **HOW TO ORDER**



#### **MECHANICAL DIAGRAMS**





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