

# ELMTBC050H-PF-DE

## **ELEMENT 50W C-Band BUC**

Input Frequency: P: 6.425 - 6.725 GHz

Input Connector: F-Connector

Input Voltage + M&C Function: 36-60 VDC + 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 50W

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** 73 dB typ.

Output P1db +47 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





#### **ELECTRICAL SPECIFICATIONS**

Current Consumption290W DC max.Power Requirements+36 to +60V DC

#### 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

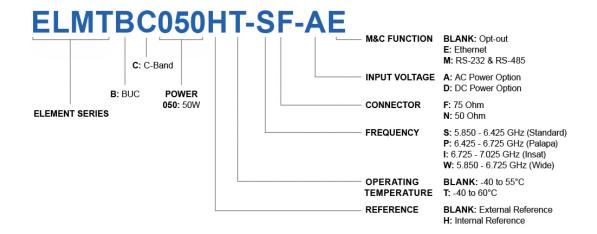
Product Dimensions (LxWxH) 220 x 195 x 138 mm

Product Weight 6.0 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  <br>8.5 kg |

#### **HOW TO ORDER**



#### **MECHANICAL DIAGRAMS**







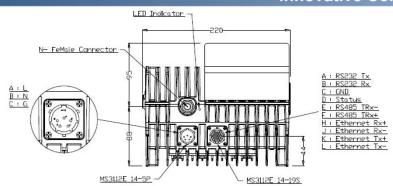


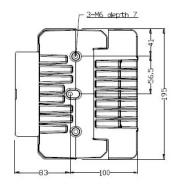




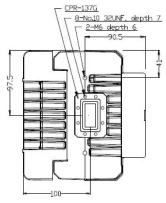


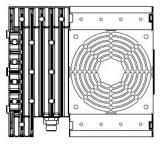












Unit | mm



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