

# **ELMTBC050HT-IF-A**

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

## **Temperature Range)**

Input Frequency: I: 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 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 VSWR2:1 max.Linear Gain73 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 Consumption
 310WAC 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

### PHYSICAL SPECIFICATIONS

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

Product Dimensions (LxWxH) 220 x 195 x 183 mm

Product Weight 7.0 kg

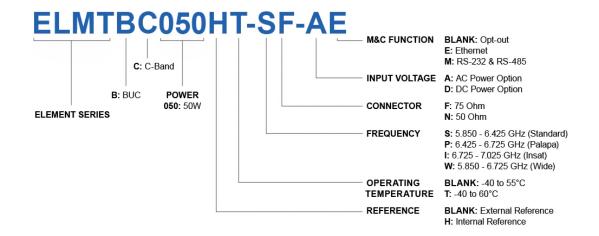
#### LOGISTICS SPECIFICATIONS

| 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 |

-40 to +75°C

#### **HOW TO ORDER**

Temperature Storage



#### **MECHANICAL DIAGRAMS**







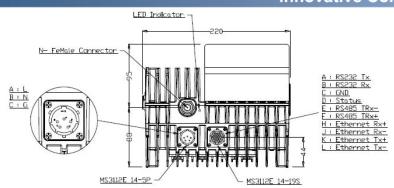


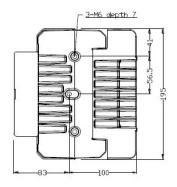




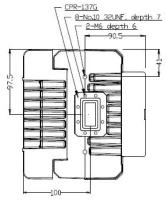


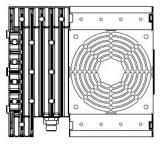












Unit | mm



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