

# **ELMTBC050T-PN-AE**

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

## **Temperature Range)**

Input Frequency: P: 6.425 - 6.725 GHz

Input Connector: N-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 50W

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 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 -140 dBc/Hz max.

Phase Noise 1khz Offset Max -135 dBc/Hz max.





#### **ELECTRICAL SPECIFICATIONS**

 Current Consumption
 310WAC max.

 Power Requirements
 +85 to +265V AC

#### INTERFACE SPECIFICATIONS

Frequency Sense Non-inverted

IF Connector N-Connector

#### **ENVIRONMENTAL SPECIFICATIONS**

HumidityUp to 100%IP RatingIP 54Temperature Operational-40 to  $+60^{\circ}$ 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

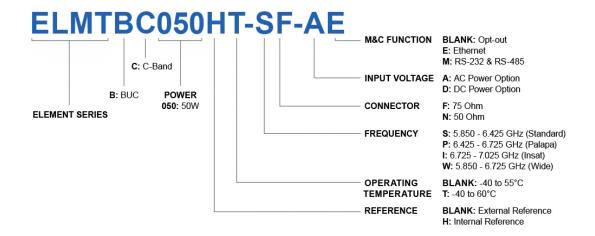
#### LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8543700000	Made in Korea	Korea	EAR99	290 x 270 x 250 mm   8.5 kg

-40 to +75°C

#### **HOW TO ORDER**

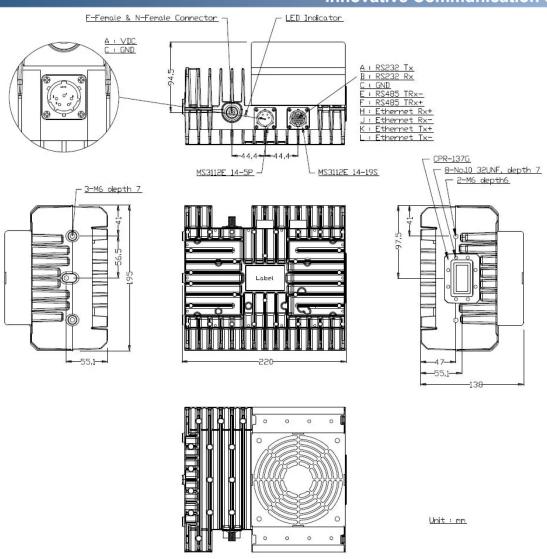
Temperature Storage



#### **MECHANICAL DIAGRAMS**







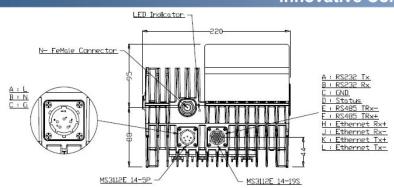


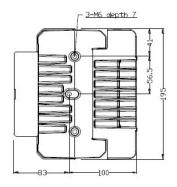




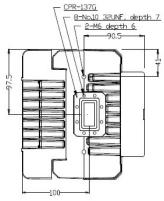


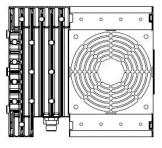












Unit | mm

