

# **ELMTBC050HT-IN-**

# DM

# ELEMENT 50W C-Band BUC (High Temperature Range)

Input Frequency: I: 6.725 - 7.025 GHz Input Connector: N-Connector

Input Voltage + M&C 36-60 VDC + RS-232 & amp;

Function: RS-485



#### **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

Input VSWR

Gain Flatness (over 54mhz) 1.5 dB

Gain Flatness (over Full Band) 4 dB

**Gain Flatness (over Temperature)** 4 dB

Linear Gain 73 dB typ.

Output P1db +47 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 -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 N-Connector

#### **ENVIRONMENTAL SPECIFICATIONS**

HumidityUp to 100%IP RatingIP 54Temperature Operational-40 to +60°C

Temperature Storage -40 to +75°C

### PHYSICAL SPECIFICATIONS

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

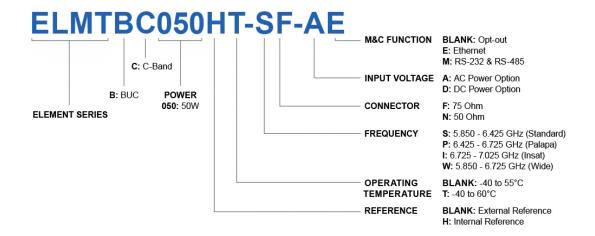
Product Dimensions (LxWxH) 220 x 195 x 138 mm

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   8.5 kg

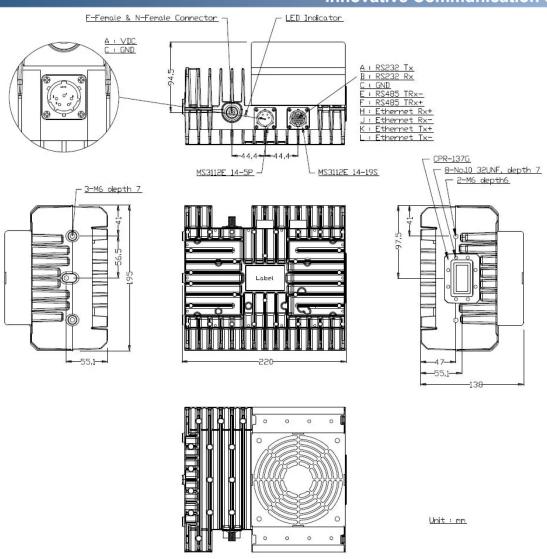
#### **HOW TO ORDER**



#### **MECHANICAL DIAGRAMS**







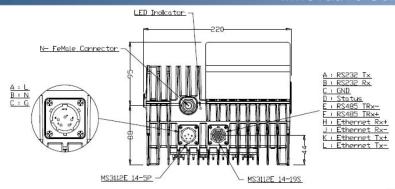


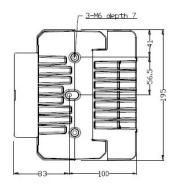




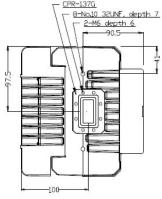


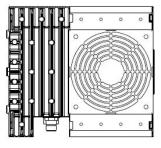












Unit | mm

