

# **ELMTBC050HT-PN-D**

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

# **Temperature Range)**

Input Frequency: P: 6.425 - 6.725 GHz

Input Connector: N-Connector

Input Voltage + M&C 36-60 VDC + No M&C

Function: Function



#### **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**

Phase Noise 1khz Offset Max

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



-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

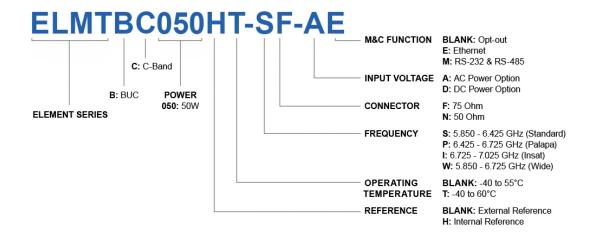
Product Dimensions (LxWxH) 220 x 195 x 138 mm

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

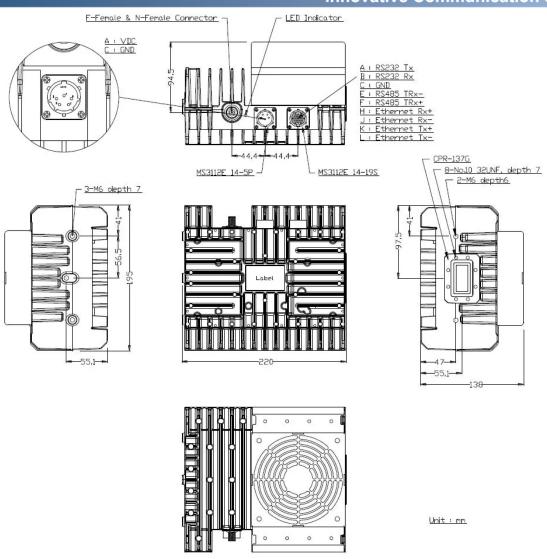
#### **HOW TO ORDER**



#### **MECHANICAL DIAGRAMS**







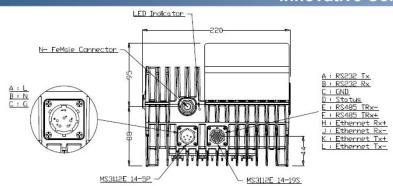


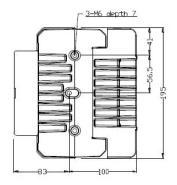




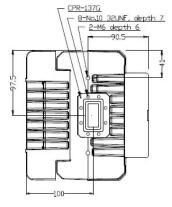


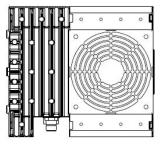












Unit | mm



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