

ELMTBC050HT-WN-

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

Input Frequency: W: 5.850 - 6.725 GHz

Input Connector: N-Connector

Input Voltage + M& Tunction: 36-60 VDC + Ethernet



KEY SPECIFICATIONS

Band C-Band

External Ref Freq 10 MHz, -5 to +5 dBm

Input Frequency Band 1 950 - 1825 MHz

LO Frequency 1 4.9 GHz

Output Frequency Band 1 5.850 - 6.725 GHz

Output Power Rated 50W

Reference Type Internal Reference

RF SPECIFICATIONS

Phase Noise 10khz Offset Max

Gain Flatness (over 54mhz) 1.5 dB Gain Flatness (over Full Band) 5 dB

Gain Flatness (over Temperature) 4 dB

Input VSWR 2:1 max. Linear Gain 73 dB typ.

Output P1db +47 dBm min. over temperature

-85 dBc/Hz

Output Spurious In Band -55 dBc **Output Spurious Out Of Band** -50 dBc **Output VSWR** 2:1 max. Phase Noise 100khz Offset Max -95 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

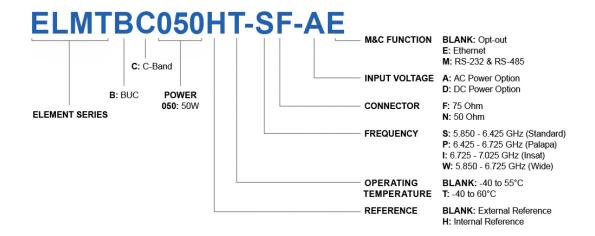
Product Dimensions (LxWxH) 220 x 195 x 138 mm

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 |

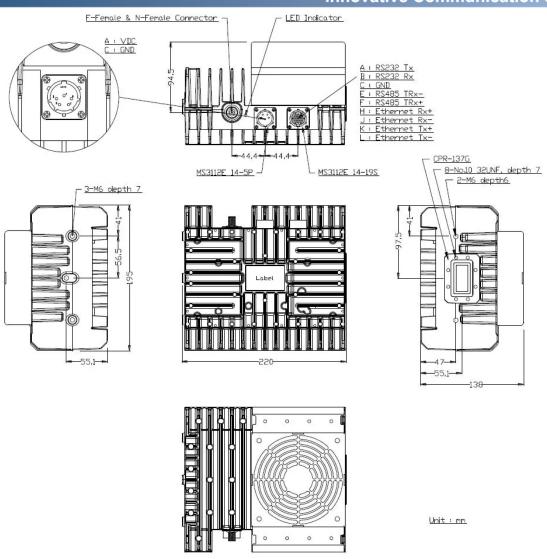
HOW TO ORDER



MECHANICAL DIAGRAMS







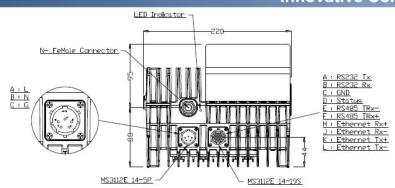


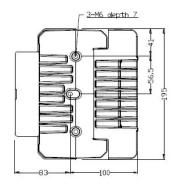




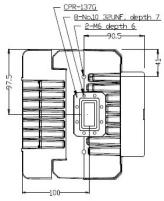


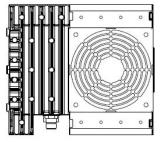












Unit | mm

