

ELMTBC050HT-PN-

DE

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

Input Frequency: P: 6.425 - 6.725 GHz Input Connector: N-Connector

Input Voltage + M&C Function: 36-60 VDC + Ethernet



KEY SPECIFICATIONS

Input Frequency Band 1

Linear Gain

Band C-Band

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

1150 - 1450 MHz

73 dB typ.

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

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.

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 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

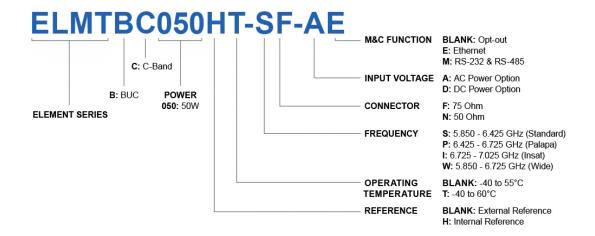
Product Dimensions (LxWxH) 220 x 195 x 138 mm

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

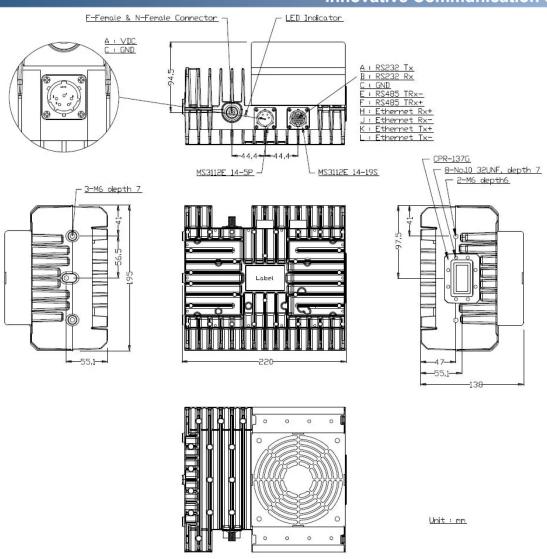
HOW TO ORDER



MECHANICAL DIAGRAMS







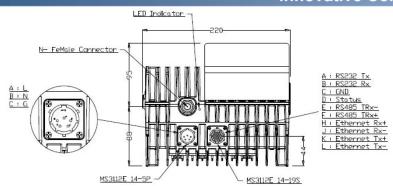


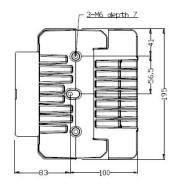




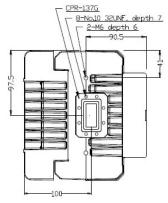


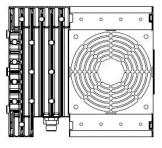












Unit | mm



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