

ELMTBC050HT-SF-D

ELEMENT 50W C-Band BUC (High

Temperature Range)

Input Frequency: S: 5.850 - 6.425 GHz

Input Connector: F-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 1 950 - 1525 MHz

LO Frequency 1 4.9 GHz

Output Frequency Band 1 5.850 - 6.425 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

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
 -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 F-Connector

ENVIRONMENTAL SPECIFICATIONS

Humidity Up to 100%

IP Rating IP 54

Temperature 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

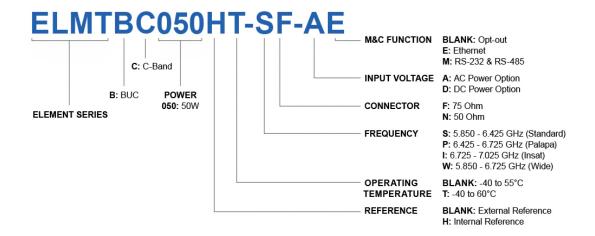
Product Dimensions (LxWxH) 220 x 195 x 138 mm

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

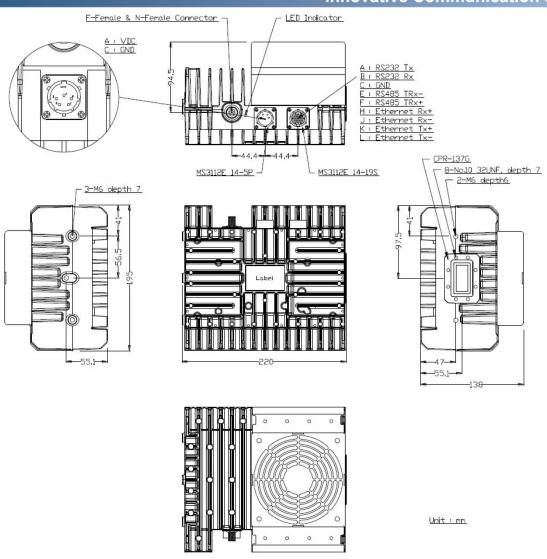
HOW TO ORDER



MECHANICAL DIAGRAMS







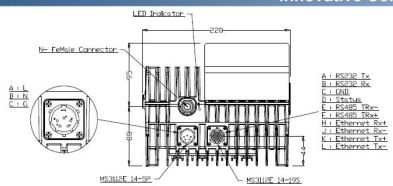


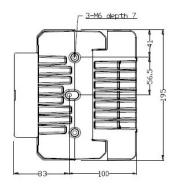




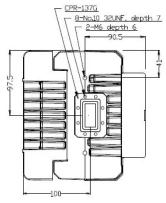


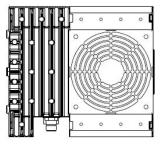












Unit | mm

