

# **ELMTBC050H-SF-AE**

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

Input Frequency: S: 5.850 - 6.425 GHz

Input Connector: F-Connector

Input Voltage + M&C Function: 85-265 VAC + Ethernet



#### **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
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

Phase Noise 1khz Offset Max -75 dBc/Hz





#### **ELECTRICAL SPECIFICATIONS**

 Current Consumption
 310WAC max.

 Power Requirements
 +85 to +265V AC

#### INTERFACE SPECIFICATIONS

Frequency Sense Non-inverted

IF Connector F-Connector

#### **ENVIRONMENTAL SPECIFICATIONS**

Humidity Up to 100%

IP Rating IP 54

Temperature Operational -40 to +55°C

Temperature Storage -40 to +75°C

### PHYSICAL SPECIFICATIONS

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

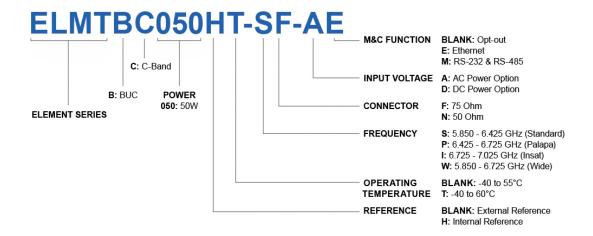
Product Dimensions (LxWxH) 220 x 195 x 183 mm

Product Weight 7.0 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

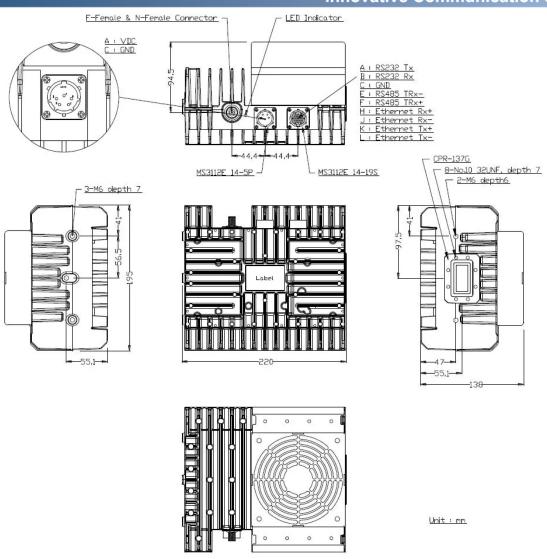
#### **HOW TO ORDER**



#### **MECHANICAL DIAGRAMS**







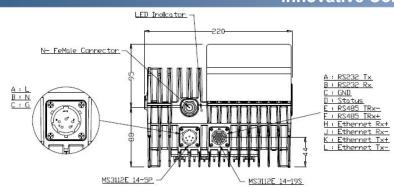


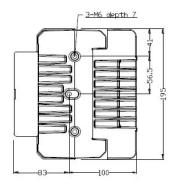




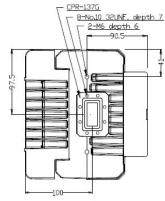


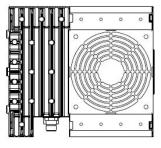












Unit | mm



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