

# **ELMTBC050T-IN-A**

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

# **Temperature Range)**

Input Frequency: I: 6.725 - 7.025 GHz

Input Connector: N-Connector

Input Voltage + M&C 85-265 VAC + No M&C

**Function:** Function



#### **KEY SPECIFICATIONS**

Band C-Band

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

Input Frequency Band 1 975 - 1275 MHz

LO Frequency 1 5.75 GHz

Output Frequency Band 1 6.725 - 7.025 GHz

Output Power Rated 50W

Reference Type External 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
-140 dBc/Hz max.

Phase Noise 1khz Offset Max
-135 dBc/Hz max.





#### **ELECTRICAL SPECIFICATIONS**

 Current Consumption
 310WAC max.

 Power Requirements
 +85 to +265V AC

#### INTERFACE SPECIFICATIONS

Frequency Sense Non-inverted

IF Connector N-Connector

#### **ENVIRONMENTAL SPECIFICATIONS**

HumidityUp to 100%IP RatingIP 54Temperature Operational-40 to  $+60^{\circ}$ 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

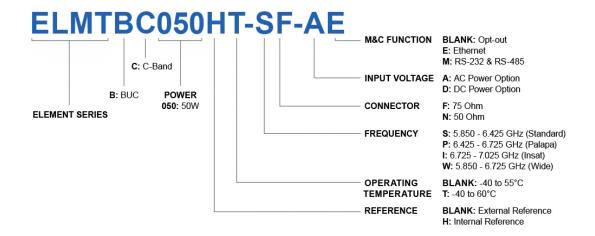
#### LOGISTICS SPECIFICATIONS

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

-40 to +75°C

#### **HOW TO ORDER**

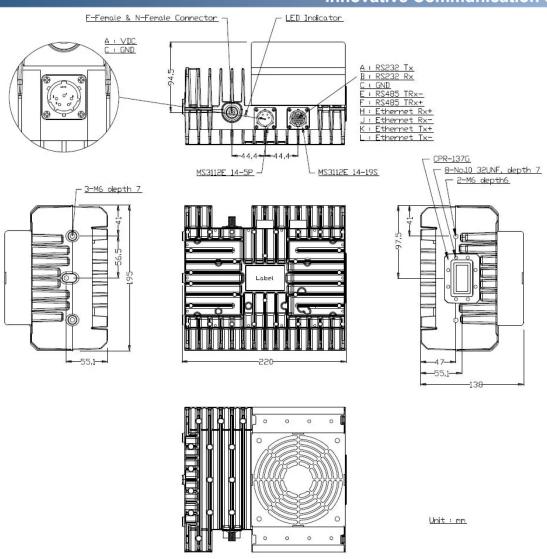
Temperature Storage



#### **MECHANICAL DIAGRAMS**







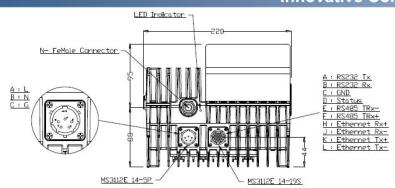


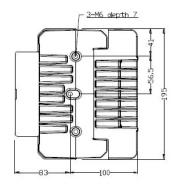




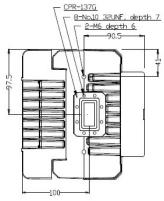


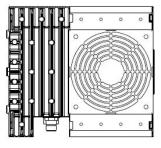












Unit | mm



Esatcom Inc
Norsat authorized distributor
www.esatcom.com

Tel 718.276.0800 Email sales@esatcom.com