

Innovative Communication Solutions

ELMTBC080HT-IN-A

ELEMENT 80W C-Band BUC (High

Temperature Range)

Input Frequency: 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 80W

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 80 dB typ.

Output P1db +49 dBm min. over temperature

-85 dBc/Hz

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

Phase Noise 1khz Offset Max -75 dBc/Hz





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ELECTRICAL SPECIFICATIONS

Current Consumption 650W max.

Power Requirements +85 to +265V AC

INTERFACE SPECIFICATIONS

Frequency Sense Non-inverted

IF Connector N-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

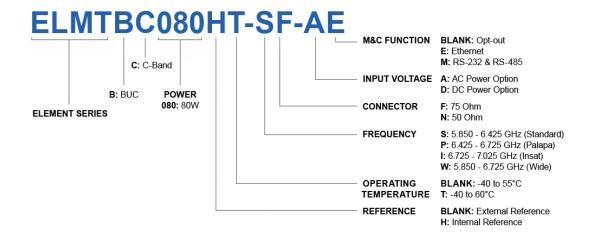
Product Dimensions (LxWxH) 235 x 190 x 145 mm

Product Weight 8.5 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 ka

HOW TO ORDER



MECHANICAL DIAGRAMS





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