

Innovative Communication Solutions

ELMTBKU050HT-EN

ELEMENT 50W Ku-Band MINIBUC (High Temperature Range)

Input Frequency: 13.75 - 14.50 GHz

Connector: N-Connector

M&C Function: No M&C Function



KEY SPECIFICATIONS

Band Ku-Band

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

Input Frequency Band 1 950 - 1700 MHz

Output Frequency Band 1 13.75 - 14.50 GHz

Output Power Rated 50W

Reference Type Internal Reference

RF SPECIFICATIONS

Phase Noise 10khz Offset Max

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 72 dB typ.

Output P1db +47 dBm typ. / +46 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 1khz Offset Max -75 dBc/Hz

ELECTRICAL SPECIFICATIONS

Current Consumption 390W max.

Power Requirements +36 to +60V DC





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INTERFACE SPECIFICATIONS

Frequency Sense Non-inverted

RF Input Connector N-Connector

ENVIRONMENTAL SPECIFICATIONS

Humidity Up to 100%

IP Rating IP 55

Temperature Operational -40 to +55°C

Temperature Storage -40 to +60°C

PHYSICAL SPECIFICATIONS

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

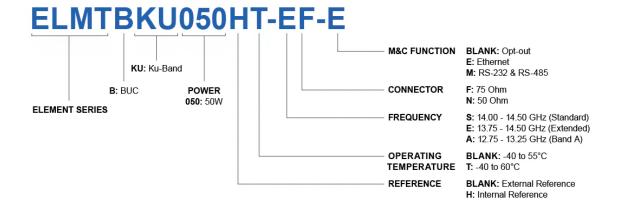
Product Dimensions (LxWxH) 245 x 125 x 125 mm

Product Weight 4 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 4.5 kg

HOW TO ORDER



MECHANICAL DIAGRAMS





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