

Innovative Communication Solutions

ELMTBKU050HT-AF

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

Input Frequency: 12.75 - 13.25 GHz

Connector: F-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 - 1450 MHz

Output Frequency Band 1 12.75 - 13.25 GHz

Output Power Rated 50W

Reference Type Internal Reference

RF SPECIFICATIONS

Input VSWR

Gain Flatness (over 54mhz) 1.5 dB

Gain Flatness (over Full Band) 4 dB

Gain Flatness (over Temperature) 4 dB

Linear Gain 72 dB typ.

2:1 max.

Output P1db +47 dBm typ.

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 390W max.

Power Requirements +36 to +60V DC





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INTERFACE SPECIFICATIONS

Frequency Sense Non-inverted

RF Input Connector F-Connector

ENVIRONMENTAL SPECIFICATIONS

HumidityUp to 100%IP RatingIP 55Temperature Operational-40 to $+60^{\circ}$ C

PHYSICAL SPECIFICATIONS

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

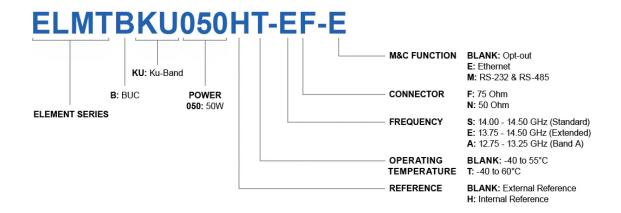
Product Dimensions (LxWxH) 245 x 125 x 125 mm

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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