

Innovative Communication Solutions

ELMTBKU050H-AN

ELEMENT 50W Ku-Band MINIBUC

Input Frequency: 12.75 - 13.25 GHz **Input 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 - 1450 MHz

LO Frequency 1 11.80 GHz

Output Frequency Band 1 12.75 - 13.25 GHz

Output Power Rated 50W

Reference Type Internal Reference

RF SPECIFICATIONS

Linear Gain

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.

Output P1db +47 dBm typ.

72 dB typ.

-75 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 -85 dBc/Hz

ELECTRICAL SPECIFICATIONS

Phase Noise 1khz Offset Max

Current Consumption 390W max.





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Power Requirements +36 to +60V DC

INTERFACE SPECIFICATIONS

Frequency Sense Non-inverted

IF Connector N-Connector

ENVIRONMENTAL SPECIFICATIONS

Humidity Up to 100%

IP Rating IP 55

Temperature Operational -40 to +55°C

PHYSICAL SPECIFICATIONS

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

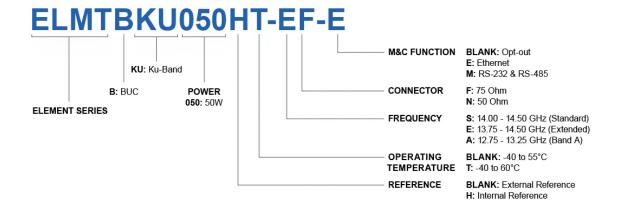
Product Dimensions (LxWxH) 245 x 125 x 125 mm

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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