



ELMTBKU050-AF

ELEMENT 50W Ku-Band EXT REF MINIBUC

Input Frequency: 12.75 - 13.25 GHz

Input 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
LO Frequency 1	11.80 GHz
Output Frequency Band 1	12.75 - 13.25 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	72 dB typ.
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	-140 dBc/Hz max.
Phase Noise 1khz Offset Max	-135 dBc/Hz max.

ELECTRICAL SPECIFICATIONS

Current Consumption	390W max.
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Power Requirements

+36 to +60V DC

INTERFACE SPECIFICATIONS

Frequency Sense

Non-inverted

IF Connector

F-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

ELMTB KU050HT-EF-E

ELEMENT SERIES

B: BUC

KU: Ku-Band

POWER
050: 50W

M&C FUNCTION

BLANK: Opt-out
E: Ethernet
M: RS-232 & RS-485

CONNECTOR

F: 75 Ohm
N: 50 Ohm

FREQUENCY

S: 14.00 - 14.50 GHz (Standard)
E: 13.75 - 14.50 GHz (Extended)
A: 12.75 - 13.25 GHz (Band A)

OPERATING
TEMPERATURE

BLANK: -40 to 55°C
T: -40 to 60°C

REFERENCE

BLANK: External Reference
H: Internal Reference

MECHANICAL DIAGRAMS



