



# 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

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	-85 dBc/Hz
Phase Noise 1khz Offset Max	-75 dBc/Hz

### ELECTRICAL SPECIFICATIONS

Current Consumption	390W max.
Power Requirements	+36 to +60V DC





### INTERFACE SPECIFICATIONS

Frequency Sense	Non-inverted
RF Input Connector	F-Connector

### ENVIRONMENTAL SPECIFICATIONS

Humidity	Up to 100%
IP Rating	IP 55
Temperature Operational	-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

## ELMTB KU050HT-EF-E

<b>ELEMENT SERIES</b>	<b>B: BUC</b>	<b>KU: Ku-Band</b>	<b>POWER 050: 50W</b>	<b>M&amp;C FUNCTION</b>	<b>BLANK:</b> Opt-out <b>E:</b> Ethernet <b>M:</b> RS-232 & RS-485
				<b>CONNECTOR</b>	<b>F:</b> 75 Ohm <b>N:</b> 50 Ohm
				<b>FREQUENCY</b>	<b>S:</b> 14.00 - 14.50 GHz (Standard) <b>E:</b> 13.75 - 14.50 GHz (Extended) <b>A:</b> 12.75 - 13.25 GHz (Band A)
				<b>OPERATING TEMPERATURE</b>	<b>BLANK:</b> -40 to 55°C <b>T:</b> -40 to 60°C
				<b>REFERENCE</b>	<b>BLANK:</b> External Reference <b>H:</b> Internal Reference

### MECHANICAL DIAGRAMS



