



ELMTBKU040HT-SF

ELEMENT 40W Ku-Band MINIBUC (High Temperature Range)

Input Frequency: 14.00 - 14.50 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 | 13.05 GHz |
| Output Frequency Band 1 | 14.00 - 14.50 GHz |
| Output Power Rated | 40W |
| 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 | +46 dBm min. over temperature |
| 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

IF 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

ELMTBKU040HT-EF-E

ELEMENT SERIES

B: BUC

KU: Ku-Band

POWER
040: 40W

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





Norsat
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