



BUC

ELEMENT SERIES

KU-BAND 10W

BUC-ELMTKU010



NORSAT ELEMENT SERIES BUCS

Norsat Satellite Communication solutions are renowned for their high quality, reliability, and innovation. The Ku ELEMENT series offers small size and weight with a variety of frequency options. The KU ELEMENT series are RoHS compliant.

FREQUENCY BANDS

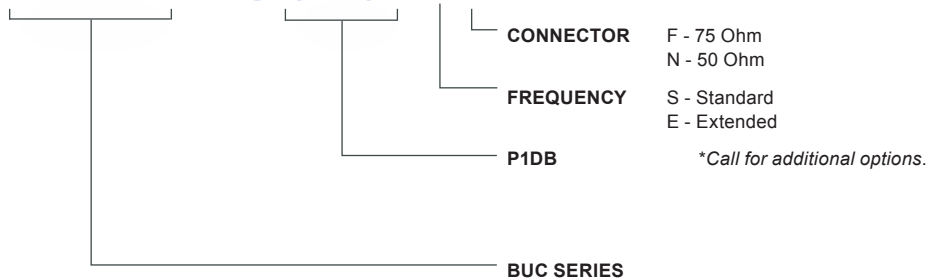
| Model | BUC-ELMTKU010-S | BUC-ELMTKU010-E |
|------------------------|-----------------|------------------|
| Output frequency (Ghz) | 14.0 – 14.5 GHz | 13.75 – 14.5 GHz |
| L.O. frequency (GHz) | 13.05 GHz | 12.80 GHz |
| Input frequency (MHz) | 950 – 1450 MHz | 950 – 1700 MHz |

KEY FEATURES

- GaN Technology
- High linearity
- 18 frequency options
- RoHS Compliant

HOW TO ORDER

BUC-ELMTKU010-EF



Buy Now!



KU-BAND 10W BUC-ELMTKU010

RF SPECIFICATIONS

| | |
|---------------------------------|--|
| Output Power (P1db) | 40 dBm min |
| External Reference | 10MHz |
| Reference Power Level | -5 dBm to +5dBm |
| Phase Noise (SSB) | -65 dBc/Hz at 100Hz -75 dBc/Hz at 1kHz -85 dBc/Hz at 10kHz -95 dBc/Hz at 100KHz |
| Frequency Sense | Non-inverted |
| Linear gain | 67 dB |
| Gain control | 15 dB in 0.5 dB steps |
| Gain flatness | +/- 4.0 dB p-p, max over full band +/- 1.5dB p-p over 54MHz |
| Gain variation over temperature | +/- 4.0 dB p-p over operating range |

ENVIRONMENTAL & PHYSICAL

| | |
|---------------------------|--------------------------------|
| Temperature (operational) | -40 C to +55 C |
| Humidity (operational) | 0 to 100% condensing |
| Dimensions (L x W x H) | 220 x 194.2 x 103.5 mm |
| Weight | 4.5 kg |
| Enclosed Accessories | O-Ring (1 pc) Screws (4 pc) |

POWER

| | |
|--------------------|---|
| Power requirements | 18~ 24, 36 ~ 60 VDC (opt. MS connector) |
| Power Consumption | 100W max |
| Internal Function | Lock detector shuts off Tx should LO unlock |

INTERFACES

| | |
|------------------|------------------|
| Input VSWR | 2.0 : 1 |
| Output VSWR | 2.0 : 1 |
| Input Connector | N: 50 Ω, F: 75 Ω |
| Output Connector | WR-75 |

MECHANICAL DIAGRAM

