



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

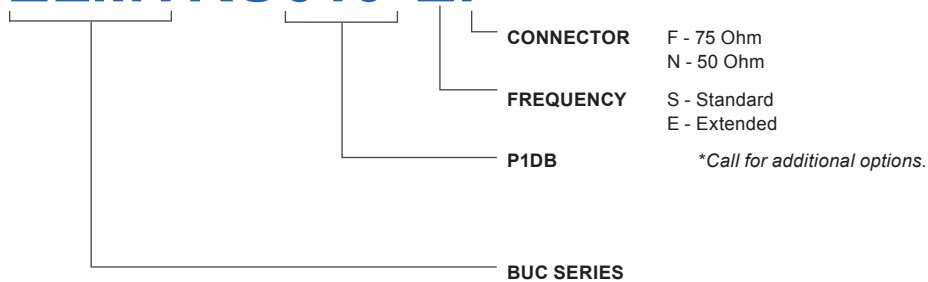
Model	BUC-ELMTKU010-S	BUC-ELMTKU010-E
Output frequency (Ghz)	14.0 – 14.5 GHz	13.75 – 14.5 GHz
L.O. frequency (GHz)	13.05 GHz	12.80 GHz
Input frequency (MHz)	950 – 1450 MHz	950 – 1700 MHz

KEY FEATURES

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

HOW TO ORDER

BUC-ELMTKU010-EF



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)

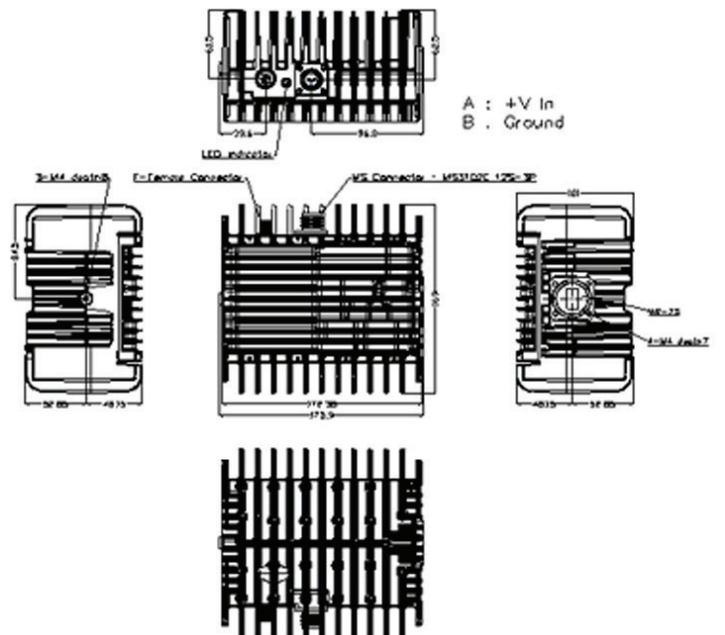
POWER

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



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