

BUC ELEMENT SERIES KU-BAND 10W BUC-ELMTKU010

Innovative Communication Solutions



NORSAT ELEMENT SERIES BUCS

Norsat Satellite Communcation 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

Output frequency (Ghz) L.O. frequency (GHz) Input frequency (MHz)

- BUC-ELMTKU010-S 14.0 – 14.5 GHz 13.05 GHz 950 – 1450 MHz
- BUC-ELMTKU010-E 13.75 – 14.5 GHz 12.80 GHz 950 – 1700 MHz

KEY FEATURES

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

HOW TO ORDER BUC-ELMTKU010-EF CONNECTOR F - 75 Ohm N - 50 Ohm FREQUENCY S - Standard E - Extended *Call for additional options. P1DB **BUC SERIES** RoHS lorsat **North America Asia Pacific** EMEA **South America** Online +1 800 644 4562 +1 604 821 2813 +44 1522 730 800 +1 604 821 2835 www.norsat.com International Inc

© Copyright 2014 Norsat International Inc. All Rights Reserved. Specifications are subject to change without notice. Final product may not be as illustrated. The information contained herein does not constitute part of any order or contract

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)
Humidity (operational)
Dimensions (L x W x H)
Weight
Enclosed Accessories

-40 C to +55 C 0 to 100% condensing 220 x 194.2 x 103.5 mm 4.5 kg O-Ring (1 pc) Screws (4 pc)

POWER

Power requirements Power Consumption Internal Function 18~ 24, 36 ~ 60 VDC (opt. MS connector) 100W max

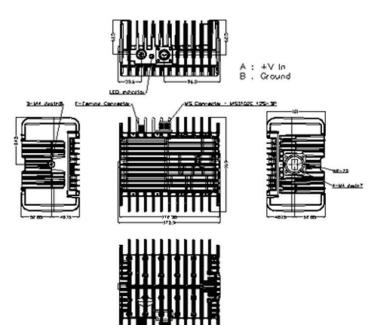
Lock detector shuts off Tx should LO unlock

INTERFACES

Input VSWR	
Output VSWR	
Input Connector	
Output Connector	

2.0 : 1 2.0 : 1 N: 50 Ω, F: 75 Ω WR-75

MECHANICAL DIAGRAM





caAsia Pacific62+1 604 821 2813

EMEA +44 1522 730 800

South America +1 604 821 2835

Online www.norsat.com