



# BUC

## ELEMENT SERIES

### C-BAND 10W

### BUC-ELMTC010



#### NORSAT ELEMENT SERIES BUCS

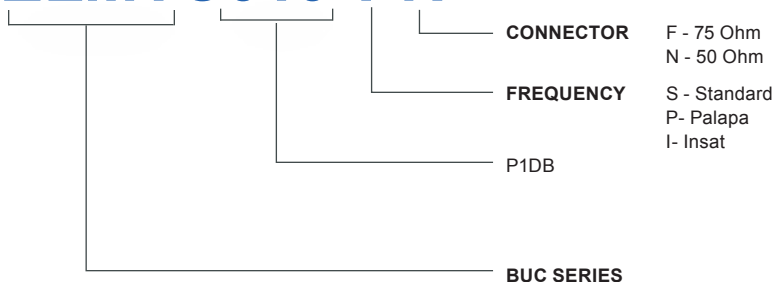
Norsat Satellite Communication solutions are renowned for their high quality, reliability, and innovation. The C Band ELEMENT series offers small size and weight with a variety of frequency options that make it ideal for VSAT applications.

#### FREQUENCY BANDS

Model	BUC-ELMTC010-S	BUC-ELMTC010-P	BUC-ELMTC010-I
Output frequency (Mhz)	5.850- 6.425 GHz	6.425- 6.725 GHz	6.725-7.025 GHz
L.O. frequency (GHz)	4.90 GHz	5.275 GHz	5.75 GHz
Input frequency (GHz)	950 – 1525 MHz	1150-1450 MHz	975-1275 MHz

#### HOW TO ORDER

### BUC-ELMTC010-PN



\*Call for additional options.



# C-BAND 10W BUC-ELMTC010

## RF SPECIFICATIONS

Output Power (P1db)	40 dBm min
External Reference	10MHz
Reference Power Level	-5 dBm to +5dBm
Phase Noise (SSB)	-70 dBc/Hz at 100Hz -80 dBc/Hz at 1kHz -90 dBc/Hz at 10kHz -100 dBc/Hz at 100KHz
Linear gain	65 dB
Gain flatness	+/- 4.0 dB p-p, max over full band +/- 1.5 dB p-p over 54MHz
Gain variation over temperature	-4.0 dB p-p over operating range
Output Spurious -In Band	-60 dBc
-Out Band	-50 dBc

## ENVIRONMENTAL & PHYSICAL

Temperature (operational)	-40 C to +55 C
Humidity (operational)	0 – 100% condensing
Dimensions (L x W x H)	220 x 194 x 104 mm
Weight	4.5 kg
Enclosed Accessories	O-Ring (1 pc) Screws (4 pc)

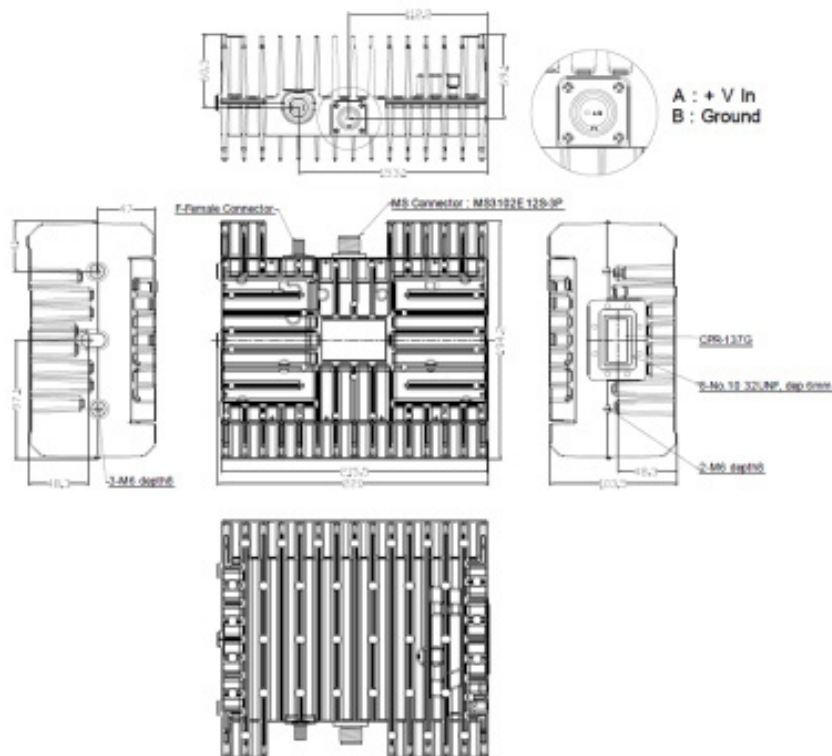
## POWER

Power requirements	+18 to +24 VDC over IFL
Power Consumption	80W max

## INTERFACES

Input VSWR	2.0 : 1
Output VSWR	2.0 : 1
Input Connector	N: 50 Ω, F: 75 Ω
Output Connector	CPR1376

## MECHANICAL DIAGRAM



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