

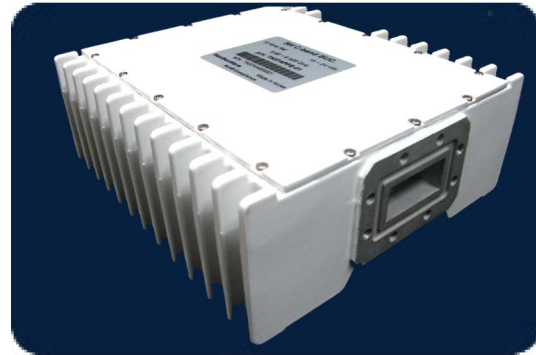


# BUC

## ELEMENT SERIES

### C-BAND 5W

### BUC-ELMTC005



#### NORSAT ELEMENT SERIES BUCS

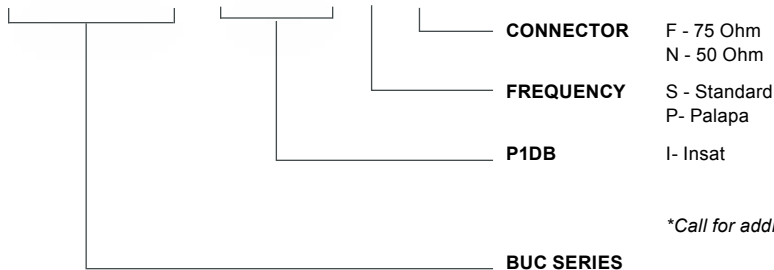
Norsat Satellite Communication solutions are renowned for their high quality, reliability, and innovation. The C Band ELEMENT series offers small size and weight with a variety of frequency options that make it ideal for VSAT applications.

#### FREQUENCY BANDS

Model	BUC-ELMTC005-S	BUC-ELMTC005-P	BUC-ELMTC005-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-ELMTC005-PN



*\*Call for additional options.*

# C-BAND 5W BUC-ELMTC005

## RF SPECIFICATIONS

<b>Output Power (P1db)</b>	37 dBm min
<b>External Reference</b>	10MHz
<b>Reference Power Level</b>	-5 dBm to +5dBm
<b>Phase Noise (SSB)</b>	-65 dBc/Hz at 100Hz -75 dBc/Hz at 1kHz -85 dBc/Hz at 10kHz -95 dBc/Hz at 100KHz
<b>Linear gain</b>	61 dB
<b>Gain flatness</b>	+/-4.0 dB p-p, max over full band +/- 1.5 dB p-p over 54MHz
<b>Gain variation over temperature</b>	-4.0 dB p-p over operating range
<b>Output Spurious</b>	-In Band -60 dBc -Out Band -50 dBc

## ENVIRONMENTAL & PHYSICAL

<b>Temperature (operational)</b>	-40 C to +55 C
<b>Humidity (operational)</b>	0 – 100% condensing
<b>Dimensions (L x W x H)</b>	176 x 161.5 x 65 mm (16.9 x 6.4 x 2.6 inches)
<b>Weight</b>	1.8 kg (4.0 lbs)
<b>Enclosed Accessories</b>	O-Ring (1 pc) Screws (4 pc)

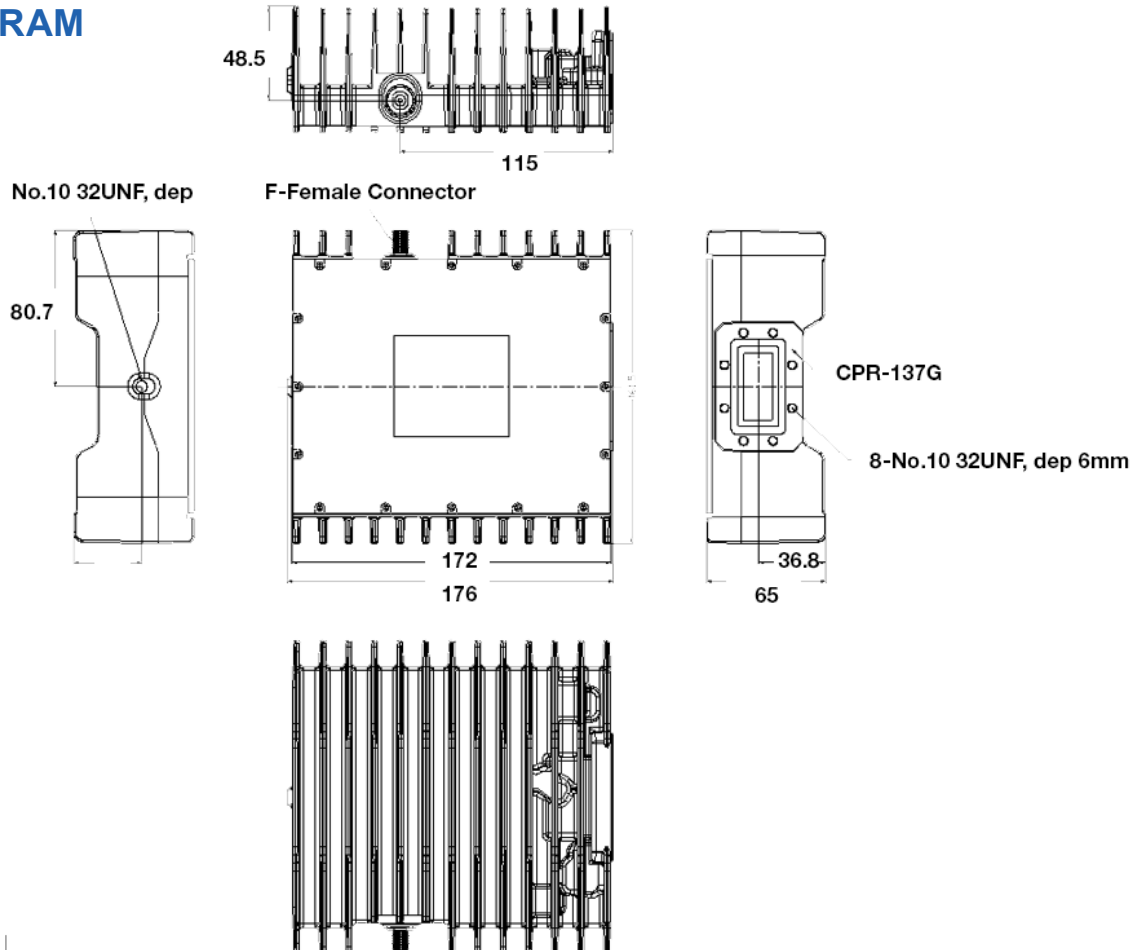
## POWER

<b>Power requirements</b>	+15 to +24 VDC over IFL
<b>Power Consumption</b>	55W max

## INTERFACES

<b>Input VSWR</b>	2.0 : 1
<b>Output VSWR</b>	2.0 : 1
<b>Input Connector</b>	N: 50 Ω, F: 75 Ω
<b>Output Connector</b>	CPR137G

## MECHANICAL DIAGRAM



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