

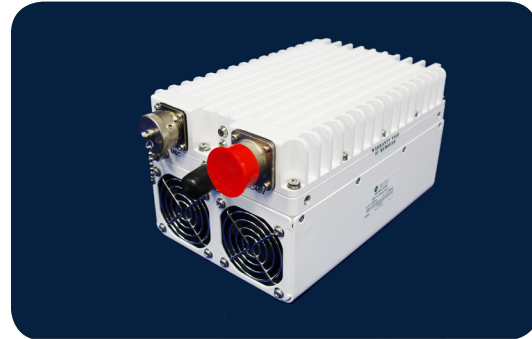


# BUC

## MEDIAN SERIES

### KU-BAND 40W

### MEDIBKU040



### NORSAT MEDIAN SERIES BUCS

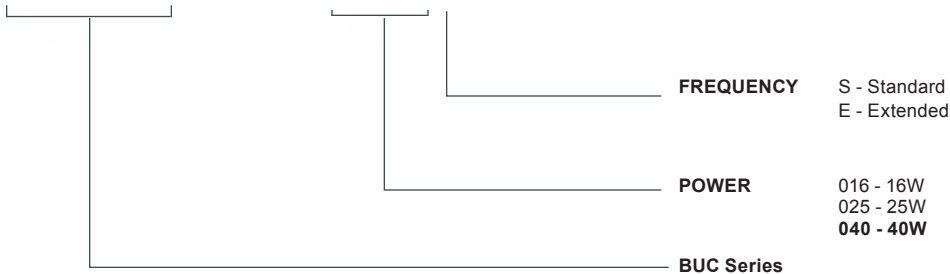
Norsat Satellite Communication solutions are renowned for their high quality, reliability, and innovation. The Ku-band MEDIAN series has been designed with both performance and economy in mind, making it ideal for VSAT applications where size, weight and power constraints are not as stringent.

### FREQUENCY BANDS

Model	MEDIBKU040S	MEDIBKU040E
Output frequency (MHz)	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

### HOW TO ORDER

## MEDIBKU040S



\*Call for additional options.



# KU-BAND 40W BUC - MEDIBKU040

## RF SPECIFICATIONS

<b>Output Power (Psat)</b>	46 dBm min
<b>External Reference</b>	10 MHz
<b>Reference Power Level</b>	-5 dBm to +5dBm
<b>Phase Noise (SSB)</b>	-73 dBc/Hz at 1 KHz -83 dBc/Hz at 10 KHz -93 dBc/Hz at 100 KHz -103 dBc/Hz at 1 MHz
<b>Gain</b>	65 dB nominal
<b>Gain flatness</b>	+/- 1.5 dB over full std band +/- 2.0 dB over full ext band +/- 0.5 dB over 36 MHz
<b>Gain variation over temperature</b>	+/- 1.5 dB
<b>Output Spurious</b>	-55 dBc max
<b>IM3</b>	25 dBc at 3 dB back-off from rated 30 dBc at 6 dB back-off from rated
<b>Gain Adjustment Range</b>	20 dB

## INTERFACES

<b>Input VSWR</b>	1.5 : 1
<b>Output VSWR</b>	1.25 : 1
<b>Input Connector</b>	Type-N, female
<b>Output Connector</b>	WR75-G (grooved)

## ENVIRONMENTAL & PHYSICAL

<b>Temperature (operational)</b>	-30°C to +55°C
<b>Humidity (operational)</b>	IP65
<b>Dimensions (L x W x H)</b>	206 x 136 x 117 mm
<b>Weight</b>	4.5 kg

## POWER

<b>Power requirements</b>	+36 to +72V, 48 VDC nominal 48 VDC over IFL optional
<b>Power Consumption</b>	300W at rated power 270W at 3 dB back-off from rated

## MONITOR & CONTROL

<b>M&amp;C Interface</b>	RS-232 / RS-485 / Ethernet
<b>M&amp;C Connector</b>	PT02E-14-19P (MS3112)
<b>LED Indicators</b>	Red, Yellow

## MECHANICAL DIAGRAM

