



Norsat
International Inc.

Innovative Communication Solutions

BUC

MEDIAN SERIES

KU-BAND 25W

MEDIBKU025



NORSAT MEDIAN SERIES BUCS

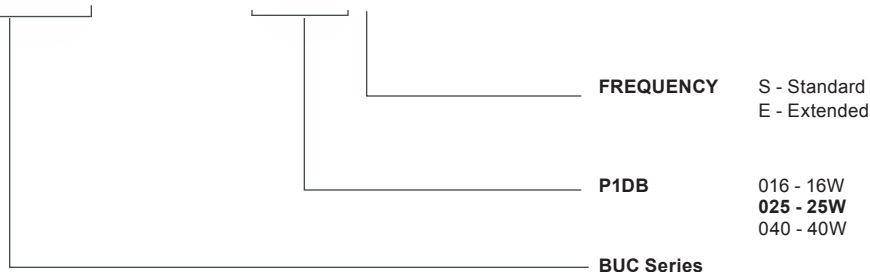
Norsat Satellite Communication solutions are renowned for their high quality, reliability, and innovation. The Ku-band MEDIAN series has been designed with both performance and economy in mind, making it ideal for VSAT applications where size, weight and power constraints are not as stringent.

FREQUENCY BANDS

Model	MEDIBKU025S	MEDIBKU025E
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

MEDIBKU025S



*Call for additional options.



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KU-BAND 25W BUC - MEDIBKU025

RF SPECIFICATIONS

Output Power (P1db)	44 dBm min
External Reference	10 MHz
Reference Power Level	-5 dBm to +5dBm
Phase Noise (SSB)	-73 dBc/Hz at 1 KHz -83 dBc/Hz at 10 KHz -93 dBc/Hz at 100 KHz -103 dBc/Hz at 1 MHz
Gain	70 dB nominal
Gain flatness	+/- 1.5 dB p-p over full std band +/- 2.0 dB p-p over full ext band +/- 0.5 dB p-p over 36 MHz
Gain variation over temperature	+/- 1.5 dB
Output Spurious	-55 dBc max
IM3	25 dBc at 3 dB back-off from rated 30 dBc at 6 dB back-off from rated
Gain Adjustment Range	20 dB

INTERFACES

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

ENVIRONMENTAL & PHYSICAL

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

POWER

Power requirements	+36 to +72V, 48 VDC nominal 48 VDC over IFL optional
Power Consumption	225W at rated power 200W at 3 dB back-off from rated

MONITOR & CONTROL

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

MECHANICAL DIAGRAM

