



- *Min. 42dBm Output P1dB over Temp.*
- *Light Weight & Small Size*
- *Double L.O. (12.80 & 13.05GHz)*
- *Covers Standard and Extended Freq.*
- *3 Year GeoSat Product Warranty*

25W Ku-Band Block Up-Converter (BUC)

Model: GB44FKU3N



Section	Item	Specification
Power Requirement	Voltage	36-60VDC(48V Nominal); optional 80-240VAC
	Power Consumption	240W max
Input Characteristics	Frequency Range	950 ~ 1450MHz
	Impedance	75 / 50 Ohms
	Return Loss (VSWR)	> 15 dB
	IF Connector	F / N-Type (Female)
Output Characteristics	Frequency Range	13.75 ~ 14.5GHz
	Power @ 1dB Comp.	Min. 44dBm over temp.
	RF Connector	WR 75
Transfer Characteristics	Frequency Sense	Non Inverted
	Local Frequency	12.8 / 13.05 GHz
	External Reference Frequency	10MHz, Sine wave
	Gain	70 dB typ. @ 25 °C
	Phase Noise ▼	
	100Hz	< -68dBc / Hz
	1kHz	< -78dBc / Hz
	10kHz	< -88dBc / Hz
	100kHz	< -110dBc / Hz
L.O. Leakage	-42 dBc	
IMD (with 2 carries @6db back off)	-30 dBc	
Mute	HPA is turned off in case of LO unlocked.	
Mechanical	Dimension (mm)	185 (215 with connectors) X 120 X 110mm
	Weight	4.5kg
	Painting	White Color
Operating Temperature	- 40°C ~ + 55°C	