



GeoSat
Microwave

- Min. 44dBm 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)	
	Frequency Range	13.75 ~ 14.5GHz	
	Power @ 1dB Comp.	Min. 44dBm over temp.	
Transfer Characteristics	RF Connector	WR 75	
	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 of f)	-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		