



- *Min. 39dBm 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*

8W Ku-Band Block Up-Converter (BUC)

Model: GB39FKU4N



Section	Item	Specification
Power Requirement	Voltage	+18 ~ +60V DC
	Power Consumption	70W max
Input Characteristics	Frequency Range	950 ~ 1450MHz
	Impedance	75 / 50 Ohms
	Gain at Compression Point	> 15 dB
	IF Connector	F / N-Type (Female)
Output Characteristics	Frequency Range	13.75 ~ 14.5GHz, 14.0-14.5GHz
	Power @ 1dB Comp.	Min. 39dBm 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	65 dB typ. @ 25 °C
	Phase Noise ▼	
		100Hz < -60dBc / Hz
		1kHz < -70dBc / Hz
	10kHz < -80dBc / Hz	
	100kHz < -90dBc / Hz	
Spurious	-55dBc	
IMD (with 2 carries @6db back off)	-30 dBc	
Mute	HPA is turned off in case of LO unlocked.	
Mechanical	Dimension (mm)	120 x 120 x 80mm
	Weight	1.4kg
	Painting	White Color
Operating Temperature	- 40°C ~ + 55°C	

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