



- *Min. 40dBm 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*

## 10W Ku-Band Block Up-Converter (BUC)

Model: GB40FKU4N



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. 40dBm 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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