



GeoSat Microwave

- Min. 46dBm 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



40W Ku-Band Block Up-Converter (BUC)

Model: GB46FKU3N

Section	Item	Specification	
Power Requirement	Power Supply	85 ~ 264 VAC; optional 36-70VDC (48V Nominal)	
	Power Consumption	330W	
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	
	Output power in saturation	47 dBm	
	Output power P1dB equivalent (IMD3 -20 dB)	46 dBm	
	Output power linear (IMD3 -25 dB)	45 dBm	
	IMD3 (with 2 carries @6dB back off)	-30 dBc	
	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 ▼		45 W
		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		

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Section	Item	Specification
Mute	HPA is turned off in case of LO unlocked	
Mechanical	Dimension (mm)	185 (215 with connectors) X 120 X 110mm
	Weight	5kg
	Painting	White Color
Operating Temperature		- 40°C ~ + 55°C
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