



GeoSat Microwave

- Min. 41dBm 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



12W Ku-Band Block Up-Converter (BUC)

Model: GB41FKU4N

Section	Item	Specification
Power Requirement	Voltage	+18 ~ +60V DC
	Power Consumption	90W 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
	Power @ 1dB Comp.	Min. 41dBm 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
	Gain Variation	> 40MHz - 0.9 dB p_p
		>500MHz - 1.4 dB p_p
	Phase Noise ▼	> Operating Temp - 0.8 dB p_p @ fixed frequency
100Hz		< -60dBc / Hz
1kHz		< -70dBc / Hz
10kHz		< -80dBc / Hz
	100kHz	< -90dBc / Hz
Spurious	-55dBc	
L.O Leakage	-33 dBm max	
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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