



GeoSat
Microwave

- Super Extended Freq: 5.85 - 7.025GHz.
- Light Weight & Small Size
- Low Power Consumption <60W
- Field-Exchangeable IF Connector
- 3 Year GeoSat Product Warranty



10W C-Band Block Up-Converter (BUC)

Model: GB40FC1N



Section	Item	Specification
Power Requirement	Voltage	24V DC
	Power Consumption	60W max
Input Characteristics	Frequency Range	950 ~ 2150MHz
	Impedance	75 / 50 Ohms
	Gain at Compression Point	> 15 dB
	IF Connector	F / N-Type (Female)
Output Characteristics	Frequency Range	5.85 ~ 7.025GHz
	Power @ 1dB Comp.	Min. 40dBm over temp.
	RF Connector	CPR137G
Transfer Characteristics	Frequency Sense	Non Inverted
	Local Frequency	4.9 GHz
	External Reference Frequency	10MHz, Sine wave
	Gain	70 dB typ. @ 25 °C
	Phase Noise ▼	
		100Hz < -65dBc / Hz
		1kHz < -75dBc / Hz
	10kHz < -85dBc / Hz	
	100kHz < -95dBc / Hz	
Spurious	-50dBc	
IMD (with 2 carries @6db back off)	-30 dBc	
Mute	HPA is turned off in case of LO unlocked.	
Mechanical	Dimension (mm)	257 x 140 x 95mm
	Weight	3.0kg
	Painting	White Color
Operating Temperature	- 40°C ~ + 55°C	

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