



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		