



- *Min. 47dBm Output P1dB over Temp*
- *Light Weight & Small Size*
- *Advanced M&C Interface (RS232/485)*
- *Field-Exchangeable IF Connector*
- *3 Year GeoSat Product Warranty*

## 50W C-Band Block Up-Converter (BUC)

Model: GB47SC3N



Section	Item	Specification	
Power Requirement	Voltage	80 - 240V AC	
	Power Consumption	275W max	
Input Characteristics	Frequency Range	950 ~ 1700MHz	
	Impedance	75 / 50 Ohms	
	Gain at Compression Point	> 15 dB	
	IF Connector	F / N-Type (Female)	
Output Characteristics	Frequency Range	5.85 ~ 6.60GHz	
	Power @ 1dB Comp.	Min. 47dBm 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	< -73dBc / Hz
		1kHz	< -85dBc / Hz
10kHz		< -90dBc / Hz	
100kHz		< -105dBc / 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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