



- *Min. 45dBm Output P1dB over Temp*
- *Light Weight & Small Size*
- *Advanced M&C Interface [RS232/485]*
- *Field-Exchangeable IF Connector*
- *3 Year GeoSat Product Warranty*

30W C-Band Block Up-Converter (BUC)

Model: GB45SC3N



Section	Item	Specification
Power Requirement	Voltage	80 - 240V AC
	Power Consumption	260W 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. 45dBm 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	