



- *Min. 33dBm Output P1dB over Temp.*
- *Light Weight & Small Size*
- *Leak Protected and 100% Screened*
- *RoHS Compliant*
- *3 Year GeoSat Product Warranty*

2W Ka-Band Block Up-Converter (BUC)

Model: GB33SKA1N



Section	Item	Specification	
Power Requirement	Voltage	+15 ~ +24V DC	
	Power Consumption	50W max	
Input Characteristics	Frequency Range	950 ~ 1450MHz	
	Impedance	75 / 50 Ohms	
	Return Loss (VSWR)	> 10 dB	
	IF Connector	F / N-Type (Female)	
Output Characteristics	Frequency Range	29.5 ~ 30GHz	
	Power @ 1dB Comp.	Min. 33dBm over temp.	
	Return Loss (VSWR)	> 10dB	
	RF Connector	WR 28	
Transfer Characteristics	Frequency Sense	Non Inverted	
	Local Frequency	28.55 GHz	
	External Reference Frequency	10MHz, Sine wave	
	Gain	55 dB typ. @ 25 °C	
	Phase Noise ▼	Reference Phase Noise @ -/+ 5dBm Input	
		100Hz	< -60dBc / Hz
1kHz		< -70dBc / Hz	< -145dBc / Hz
10kHz		< -80dBc / Hz	< -150dBc / Hz
100kHz	< -90dBc / Hz	< -150dBc / Hz	
Output Noise	18.3 to 21.2GHz	< -150dBm	
Mute	HPA is turned off in case of LO unlocked.		
Mechanical	Dimension (mm)	190 x 145 x 68mm	
	Weight	2.2kg	
	Painting	White Color	
Operating Temperature	- 40°C ~ + 55°C		