



4W Ka-Band Block Up-Converter (BUC) Model: GB36SKA1N

- Min. 36dBm Output P1dB over Temp.
- Light Weight & Small Size
- Leak Protected and 100% Screened
- RoHS Compliant



Specification

Section	Item	Specification	
Power Requirement	Voltage	+15 ~ +24V DC	
	Power Consumption	65W 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. 36dBm 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	57 dB typ. @ 25 °C	
	Phase Noise	Reference Phase Noise @ +/- 5dBm Input	
		100Hz < -60dBc / Hz	< -140dBc / 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 73	
	Weight	2.5 Kg	
	Painting	White Color	
Operating Temperature	- 40°C ~ + 55°C		