



- *Min. 36dBm Output P1dB over Temp.*
- *Light Weight & Small Size*
- *Leak Protected and 100% Screened*
- *RoHS Compliant*
- *3 Year GeoSat Product Warranty*

4W Ku-Band Block Up-Converter (BUC)

Model: GB36EKU1N



Section	Item	Specification		
Power Requirement	Voltage	+15 ~ +24V DC		
	Power Consumption	48W max		
Input Characteristics	Frequency Range	950MHz ~ 1700MHz		
	Impedance	75 / 50 Ohms		
	Return Loss (VSWR)	2:1		
	IF Connector	F / N-Type (Female)		
Output Characteristics	Frequency Range	13.75GHz ~ 14.5GHz		
	Power @ 1dB Comp.	Min. 36dBm over temp.		
	Return Loss (VSWR)	2:1		
	RF Connector	WR 75		
Transfer Characteristics	Frequency Sense	Non Inverted		
	Local Frequency	12.8GHz		
	External Reference Frequency	10MHz, Sine wave		
	Gain	54 dB typ. @ 25 °C		
	Phase Noise ▼		Reference Phase Noise @ +/- 5dBm Input	
		100Hz	< -60dBc / Hz	< -135dBc / Hz
		1kHz	< -70dBc / Hz	< -140dBc / Hz
10kHz		< -80dBc / Hz	< -150dBc / Hz	
	100kHz	< -90dBc / Hz		
Rx Band Noise Density		<-156dBm/Hz		
Worst Case LO Product		<-45dBm		
Mute	HPA is turned off in case of LO unlocked.			
Mechanical	Dimension (mm)	202.6 x 142.5 x 57.0		
	Weight	<1.7kg		
	Painting	White Color		
Operating Temperature	- 40°C ~ + 55°C			

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