



**GeoSat**  
**Microwave**



- *Min. 39dBm Output P1dB over Temp.*
- *Low Power Consumption / LED Indicator*
- *Double L.O. (12.80 & 13.05GHz)*
- *Covers Standard and Extended Freq.*
- *3 Year GeoSat Product Warranty*

## 8W Ku-Band Block Up-Converter (BUC)

Model: GB38FKU1



Section	Item	Specification	
Power Requirement	Voltage	+15 ~ +26V	
	Power Consumption	85W max	
Input Characteristics	Frequency Range	950 ~ 1450MHz / 950 ~ 1700MHz	
	Impedance	75 / 50 Ohms	
	VSWR	2:1	
	IF Connector	F / N-Type (Female)	
Output Characteristics	Frequency Range	14.0 ~ 14.5GHz / 13.75 ~ 14.5GHz	
	Power @ 1dB Comp.	Min. 39dBm over temp.	
	VSWR	2:1	
	RF Connector	WR 75	
Transfer Characteristics	Frequency Sense	Non Inverted	
	Local Frequency	13.05 GHz / 12.8 GHz (LO Selectable)	
	External Reference Frequency	10MHz, Sine wave	
	Gain	60 dB min.	
	Phase Noise ▼	Reference Phase Noise @ -10~+5dBm Input	
		100Hz	< -60dBc / Hz
1kHz		< -70dBc / Hz	< -140 dBc/Hz
10kHz		< -80dBc / Hz	< -150 dBc/Hz
100kHz	< -90dBc / Hz		
Output Noise	< -156dBm		
LED Indicator	Lock Status		
	Switch Position (STD/ EXT)		
Mute	HPA is turned off in case of LO unlocked.		
Mechanical	Dimension (mm)	206.5 x 136.0 x 73.0 mm	
	Weight	<2.3kg	
Operating Temperature	- 40°C ~ + 55°C		