



## 16W Ku-Band Block Up-Converter (BUC) Model: GB42FKU2N

- Min. 42dBm Output P1dB over Temp.
- Light Weight & Small Size
- Double L.O. (12.80 & 13.05GHz)
- Covers Standard and Extended Freq.



### Specification

Section	Item	Specification	
Power Requirement	Voltage	48VDC	
	Power Consumption	120W max	
Input Characteristics	Frequency Range	950 ~ 1750MHz	
	Impedance	75 / 50 Ohms	
	Return Loss (VSWR)	> 15 dB	
	IF Connector	F / N-Type (Female)	
Output Characteristics	Frequency Range	13.75-14.5GHz	
	Power @ 1dB Comp.	Min. 42dBm over temp.	
	RF Connector	WR 75	
Transfer Characteristics	Frequency Sense	Non Inverted	
	Local Frequency	12.8/13.05 GHz	
	External Reference Frequency	10MHz, Sine wave	
	Gain	70 dB typ. @ 25 °C	
	Phase Noise		
		100Hz	< -60dBc / Hz
		1kHz	< -70dBc / Hz
	10kHz	< -80dBc / Hz	
	100kHz	< -90dBc / Hz	
Spurious	-55dBc		
IMD (with 2 carries @6db back off)	-30dBc		
Mute	HPA is turned off in case of LO unlocked.		
Mechanical	Dimension (mm)	120 x 120 x 110mm	
	Weight	2.0 Kg	
	Painting	White Color	
Operating Temperature	- 40°C ~ + 55°C		