

## 4W Ku-Band Block Up-Converter (BUC) Model No.: KSC 3304

- n Min. 36dBm Output P1dB over Temp.
- n Low Power Consumption (45W max)
- n Light Weight & Small Size
- n Leak Protected and 100% Screened
- n RoHS Compliant



## Specification

Section	Item	Specification	
Power Requirement	Voltage	+15V ~ +24V DC	
	Power Consumption	45W max	
Input Characteristics	Frequency Range	950MHz ~ 1450MHz	
	Impedance	75 Ohms / 50 Ohms	
	Return Loss (VSWR)	2 : 1	
	IF Connector	F/N-Type (Female)	
Output Characteristics	Frequency Range	14GHz ~ 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	13.05GHz	
	External Reference Frequency	10MHz, Sine wave	
	Gain	54dB Min.	
	Phase Noise	Reference Phase Noise @ +/- 5dBm Input	
	100Hz	< -60 dBc / Hz	< -135 dBc / Hz
	1kHz	< -70 dBc / Hz	< -140 dBc / Hz
	10kHz	< -80 dBc / Hz	< -150 dBc / Hz
	100kHz	< -90 dBc / Hz	
	1MHz	< -100dBc / 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)	200.0 * 142.5 * 56.5	
	Weight	<1.7kg	
	Painting	White Color	
Operating Temperature		- 40℃ ~ + 55℃	

