

KBUC14125S50A

The model is high performance, low spurious and low phase noise Block Up-Converter . The model is the key component of the broadcast communication 、 satellite communication and radar system.

FEATURES:

- Integrated BUC for Beer Performance & Reliability
- Monitoring & Controlling through RS485(Optional Ethernet)
- Tricolour LED Status Indicator to Identify BUC Status Instantly

Electrical specifications

Parameter	Specifications	
Input Characteristic		
Frequency Range (MHz)	950 ~1700	
Impedance (Ω)	50	
Input VSWR	2:1	
Interface	N-type Connector	
Output Characteristic		
Frequency Range (GHz)	13.75~ 14.5 (LO=12.8)	
Output Power P-1dB W (dBm)	100(50) typ	
Interface	WR 75G	
Transfer Characteristics		
Frequency Sense	Non-inverted	
Linear Gain	75 dB typ	
Gain Variation	Over the Whole Bandwidth	4 dB typ
	Over Operation	4 dB typ
Spurious	-55 dBc	
Intermodulation Product	-25 dBc typ (3dB total back-off from rated power)	
Phase Noise (typ)	100Hz	-63 dBc/Hz
	1kHz	-73 dBc/Hz
	10kHz	-83 dBc/Hz
	100kHz	-93 dBc/Hz
Miscellaneous		
Internal Reference Frequency Stability Over Temperature	±0.02 ppm	
External Reference Input	Frequency	10MHz
	Power	-5 to 5 dBm (Unit will automatically switch to internal reference if external reference level falls below -10 dBm nominal)
	Phase Noise	-130dBc/Hz@100Hz max. -145dBc/Hz@1kHz max. -155dBc/Hz@10kHz max.
M&C Function (Optional) Interface	RS-485 (Optional Ethernet)	
Attenuator Range Mute Control	20dB Variable, Step size of 0.5dB	

Focus on Your Application

Chengdu KeyLink Microwave Technology Co., Ltd.

>> 5-2, Huidu Headquarters Park, High-Tech(West) Zone, Chengdu, 611731, P. R. China

>> Phone: +86(28)87870761*8708 >> Fax: +86(28)87883266

>> Email: sales@keylinkmw.com >> www.keylinkmw.com

Specifications subject to change without notice

KBUC14125S50A

LED Function	Green: Normal, Red: Fault, Blue: PA Off
Command Function	PA On/Off, Gain Control, Out-of-lock Alarm, Temperature, Summary Alarm
Internal Function	Lock detector shuts off Tx in case of LO unlocked

Operating Power Requirement

Parameter	Specifications
Operating Voltage	85 ~265VAC, 50Hz
Power Consumption (Watts)	900 (@ Output Power P-1dB)

Environmental Conditions

Parameter	Specifications
Operating Temperature	-40°C to +55°C
Humidity	0 to 100%
Water proof/ Dust proof	IP54

Mechanical

Parameter	Specifications
Dimensions (L x W x H)	TBD
Weight	TBD

Focus on Your Application

Chengdu KeyLink Microwave Technology Co., Ltd.

>> 5-2, Huidu Headquarters Park, High-Tech(West) Zone, Chengdu, 611731, P. R. China

>> Phone: +86(28)87870761*8708 >> Fax: +86(28)87883266

>> Email: sales@keylinkmw.com >> www.keylinkmw.com

Specifications subject to change without notice