

26.5-40GHz/40Watts/Rack Mount

Model Number: KB265400S46A

The KB265400S46A is a rack-mountable unit incorporating a universal voltage power supply and a built in forced air-cooling system. This amplifier subsystem utilizes GaAs power device that provides excellent power density, high efficiency, low distortion and wide dynamic range. Due to robust engineering and employment of advanced broadband RF matching networks, combining techniques and qualified components, the amplifier achieves consistent performance with field proven reliability.

FEATURES:

- Instantaneous ultra broadband
- Digital interface option
- Compact and robust design
- Unconditional stability and ruggedness

ELECTRICAL SPECIFICATIONS @ 220VAC, 25°C, 50Ω System

Parameter	Symbol	Minimum	Typical	Maximum	Units
Operating Frequency	BW	26.5		40	GHz
RF Output Power	P _{out}	40	50		Watt
RF Input Power	P _{in}	-5	0	5	dBm
Power Gain	G _p		51		dB
Power Gain Flatness	Δ G _p		±6.5		dB
Spurious Signals	Spur		-50		dBc
Input Return Loss	S ₁₁		-10		dB
In/Output Impedance	Impedance		50		Ω
Operating Voltage (1-phase)	V _{DC}		220		Volt
Power Consumption @ 40W	P _D		800		Watt

MECHANICAL SPECIFICATIONS

Parameter	Value	Limits
Dimensions (W x H x D) – Bench Top / Rack Mount	482.6 x 189x 488 mm [19x7.4x19.2 inch] (4U)	Max
Weight	30 kg [66 lbs]	Max
RF Connectors Input /Output	In: 2.4mm ; Output: BJ320	
Cooling	Built-in internal forced air cooling system	

ENVIRONMENTAL CHARACTERISTICS (Design to Meet)

Parameter	Minimum	Typical	Maximum	Units	Notes
Operating Ambient Temperature	-10		40	°C	
Storage Temperature	-15		45	°C	
Relative Humidity (non-condensing)			95	%	

PROTECTIONS

Input RF drive level without	+5 dBm (Max)
Thermal Overload	Power will Gracefully Degrade, when Ambient Temp >40 °C

AVAILABLE OPTIONS (Selected options refer to the factory)

	Description	LCD
RS-232	Serial management of device /local operator access	D-Sub 9-position Male
Status Monitor	LCD	Digital Display, including Power indication

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

>> sales@keylinkmw.com >> www.keylinkmw.com

without notice

Specifications subject to change

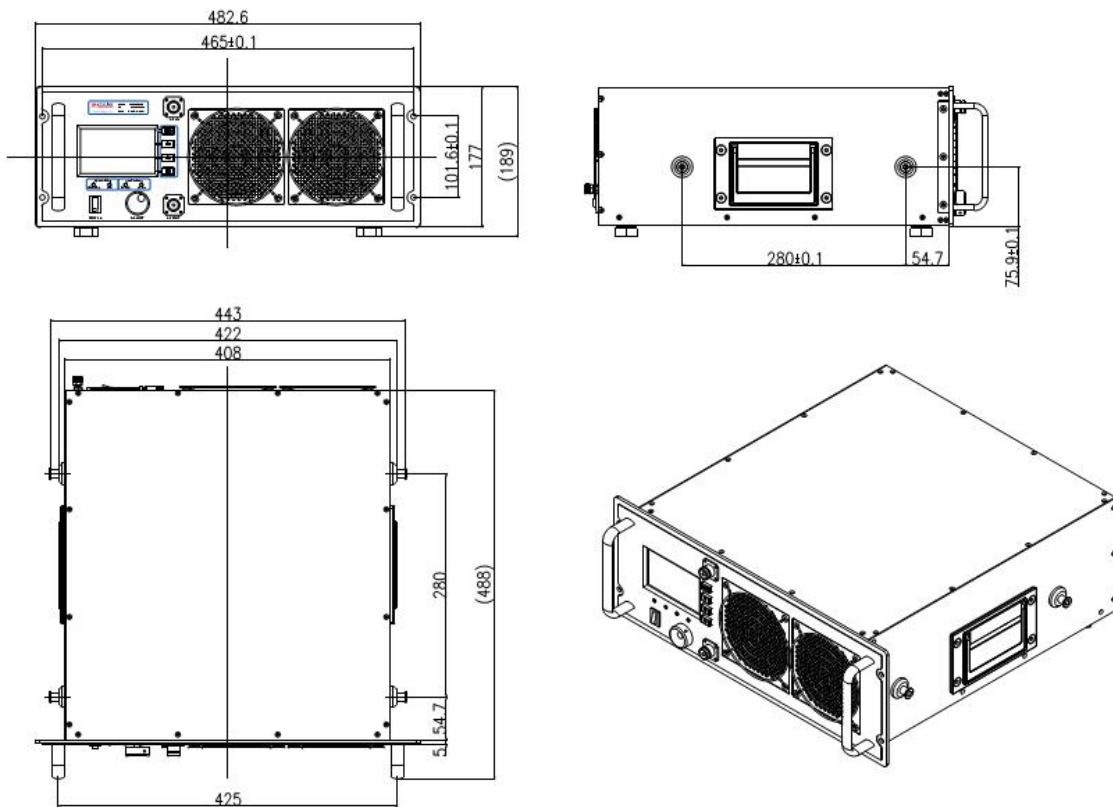
26.5-40GHz/40Watts/Rack Mount

Model Number: KB265400S46A

I/O CONNECTOR-Monitor Display or RS-232

Pin#	Description	Specifications	LCD
1	ENABLE	Amplifier ENABLE : TTL Logic high(3.3V)	
2	TEMP SENSE	Analog voltage relative to temperature@10mV /°C	
3	Reserved	Reserved	
4	Reserved	Reserved	
5	Reserved	Reserved	
6	Reserved	Reserved	
7	Reserved	Reserved	
8	Reserved	Reserved	
9	Reserved	Reserved	

OUTLINE DRAWING (All dimensions in mm)



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

>> sales@keylinkmw.com >> www.keylinkmw.com

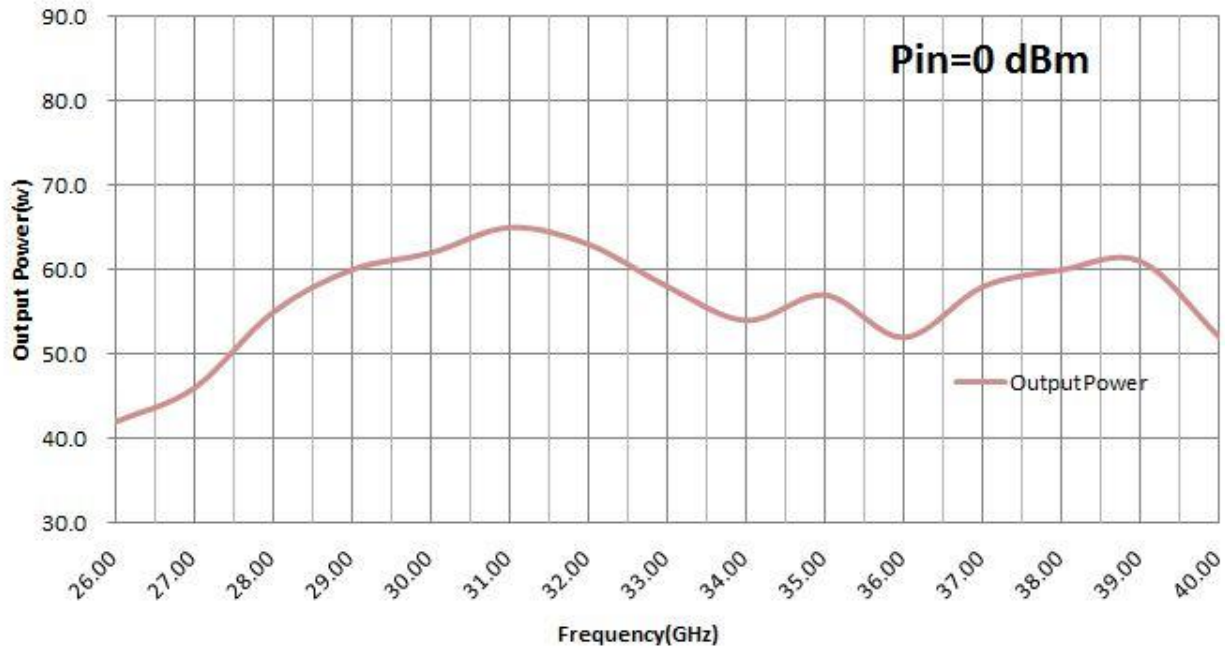
without notice

Specifications subject to change

26.5-40GHz/40Watts/Rack Mount

Model Number: KB265400S46A

TYPICAL PERFORMANCE PLOTS (For reference only, 25°C,CW)



Note:

This product will be developed upon contract/order. All the above specs are for reference only. Actual product may be different. Please check with KeyLink sales team if you have any question.

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

>> sales@keylinkmw.com >> www.keylinkmw.com

without notice

Specifications subject to change