

1000~6400MHz

Model Number: KBFS010064M001100B

The model KBFS010064M001100B is high performance, low spurious and low phase noise frequency synthesizer with SMA connector. The module output frequency is 1000~6400MHz and output power above 15dBm, step 1MHz. It is the key component of the electronic system.

FEATURES:

- Low Spurious;
- Low Phase Noise;
- Ultra Small Size and Easily Integrated;
- High Reliability;

ELECTRICAL SPECIFICATIONS @ +5VDC, 25°C, 50Ω

Parameter	Symbol	Min	Typ	Max	Units
Output Frequency	f	1000		6400	MHz
Output Frequency Step	S _{STEP}		1		MHz
Phase Noise @1kHz offset	PN		-90		dBc/Hz
Spurious Rejection	S		-10		dBc
Harmonic Suppression (2nd)	H		-55		dBc
Output Power	P _{out}	-	15	-	dBm
Load Impedance	R		50		Ω
Hopping Time	Δt		≤200		us
Operating Voltage	VDC	4.75	+5	5.25	Volt
DC Current	I _{DD@+5V}		500		mA
Reference Frequency	f _{REF}		100		MHz
Reference Power	P _{REF}	0	5	8	dBm
Reference Phase Noise @1 kHz Offset	PN _{REF}		-150		dBc/Hz

MECHANICAL SPECIFICATIONS

Parameter	Value	Units	Notes
Dimensions	30x30x10 [1.18x1.18x0.4]	mm [inch]	±0.2mm[0.008]
Weight	35 [0.078]	g [lbs]	Maximum
RF Connectors Input/Output	SMA, Female		
DC Interface Connector	INSULATOR		

ENVIRONMENTAL CHARACTERISTICS (Design to Meet)

Parameter	Minimum	Typical	Maximum	Units	Notes
Operating Temperature	-40		+85	°C	
Non-operating Temperature	-55		+85	°C	Storage
Relative Humidity (non-condensing)			+95	%	

Absolute Maximum Rating

DC Voltage	+5.5V
------------	-------

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

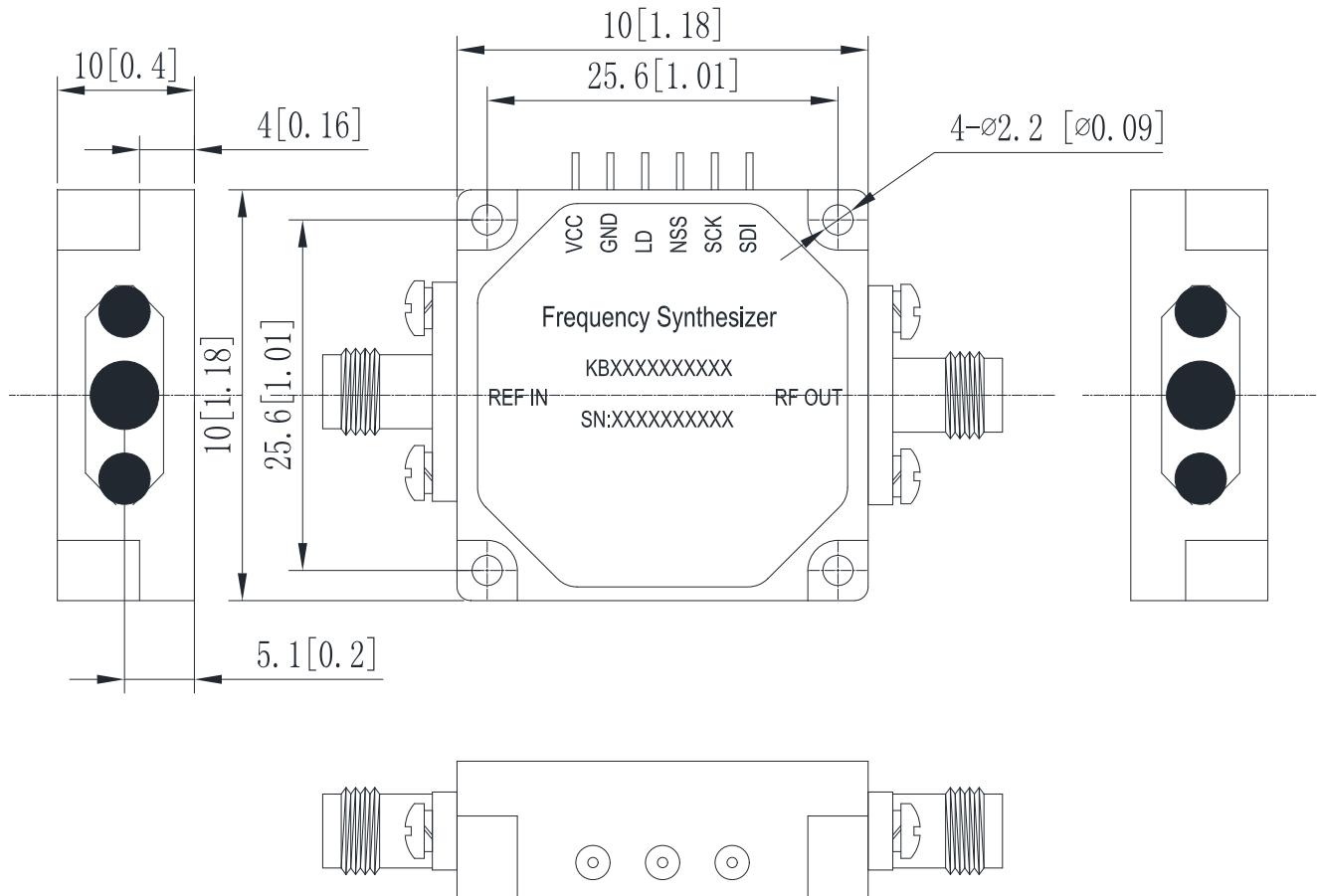
>> Email: sales@keylinkmw.com >> www.keylinkmw.com

Specifications subject to change without notice

1000~6400MHz

Model Number: KBFS010064M001100B

OUTLINE DRAWING (All dimensions in mm [inch])



PIN Configuration

1	VCC	+5V IN
2	GND	GND
3	LD	Lock Directive, high level: locked; low level: unlocked
4	NSS	SPI Enable signal
5	SCK	SPI Clock Signal
6	SDI	SPI Data

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