

# HX16KG3082G SP6T Switch

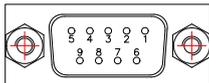
## 1. Description

ID	Items	Specifications
1-1	Type	Absorptive SP6T Switch
1-2	Frequency Range	0.4GHz ~ 6GHz
1-3	Isolation	≥80dB
1-4	Insertion Loss	≤2.5dB
1-5	VSWR	≤1.5
1-6	Impedance	50Ω
1-7	RF Input Power	2W
1-8	Switching Speed	≤200ns
1-9	Input/Output Connectors	SMA-F
1-10	Control Connectors	DB9-Female
1-11	Control	TTL=0V/3.3V ~ 5V
1-12	DC Power Supply	+5V/≤300mA

## 2. Environmental Specifications

ID	Items	Specifications
2-1	Operational Temperature	-40℃ ~ +70℃
2-2	Storage Temperature	-55℃ ~ +85℃

## 3. Interface

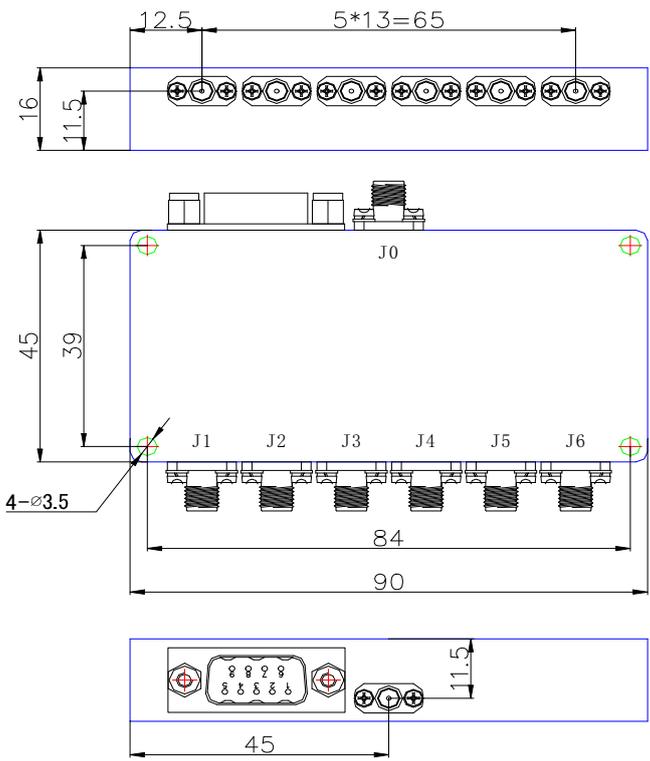
ID	Items	Specifications
3-1	Control Connectors	DB9-Female
		
3-2	<b>ID</b>	<b>Specifications</b>
	1,2	+5V
	3,4	GND
	6	C1
	7	C2
	8	C3
	5,9	NC

## 4. Truth Table

ID	C3	C2	C1	Signal Path State
4-1	0	0	0	J0-J1
	0	0	1	J0-J2
	0	1	0	J0-J3

	0	1	1	J0-J4
	1	0	0	J0-J5
	1	0	1	J0-J6
	1	1	X	ALL OFF

### 5. Outline Drawing

ID	Items	Specifications
5-1	Outline Drawing	Unit: mm
Tolerances:±0.1mm		
		
5-2	Material	Aluminum
5-3	Finished	Nickel Plated
5-4	Weight	≤150g

NOTE: ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT IDTICE AT ANY TIME.