

# HX124KG9081G SP24T Switch

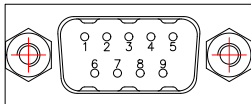
## 1. Description

ID	Items	Specifications
1-1	Type	Absorptive SP24T Switch
1-2	Frequency Range	0.3GHz ~ 18GHz
1-3	Isolation	≥80dB
1-4	Insertion Loss	≤3.5dB@0.3GHz ~ 6GHz ≤6.0dB@6GHz ~ 12GHz ≤8.0dB@12GHz ~ 18GHz
1-5	VSWR	≤2.0
1-6	Impedance	50Ω
1-7	RF Input Power	23dBm
1-8	Switching Speed	≤200ns
1-9	Input/Output Connectors	SMA-F
1-10	Control Connectors	DB9-Male
1-11	Control	TTL=0V/3.3V ~ 5V
1-12	DC Power Supply	+5V/≤1A

## 2. Environmental Specifications

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

## 3. Interface

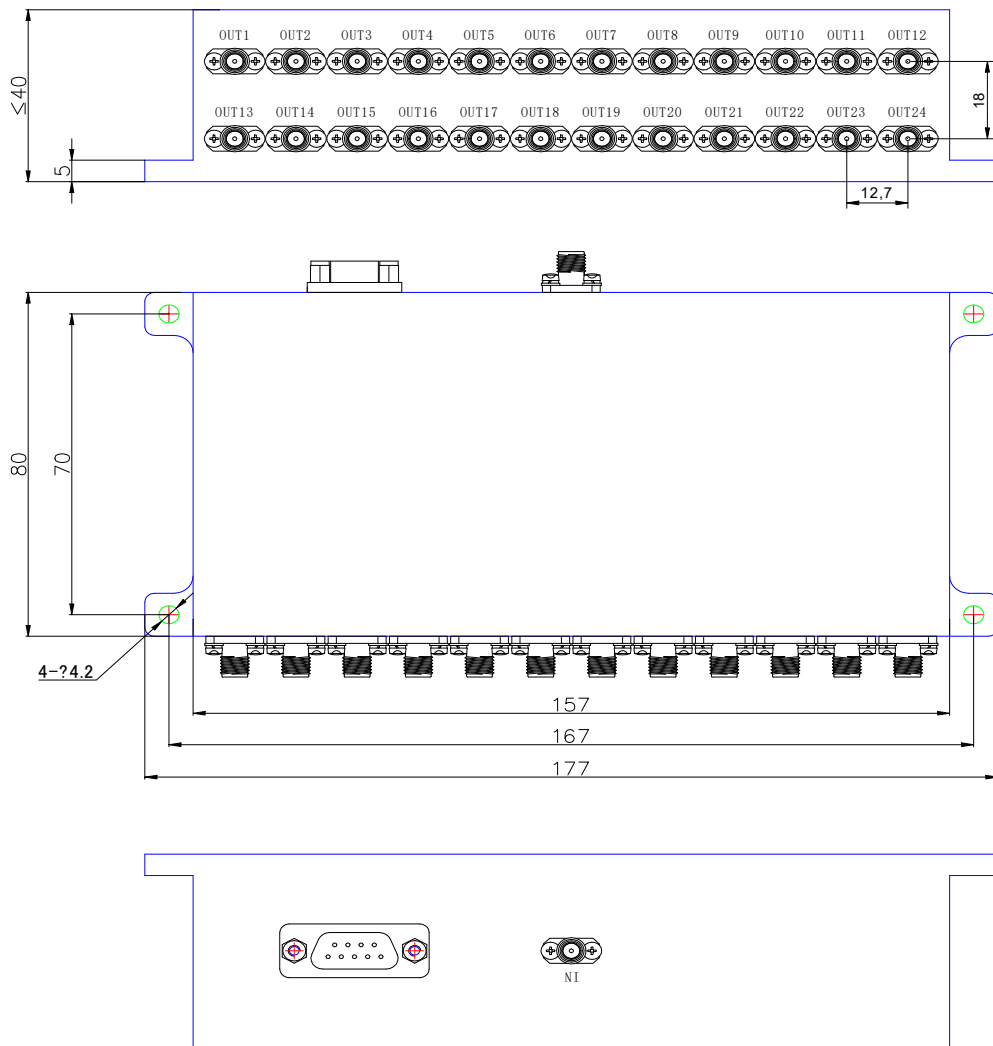
ID	Items	Specifications
3-1	Control Connectors	DB9-Male
		
3-2	<b>NO</b>	<b>Specifications</b>
	1	C1
	2	C2
	3	C3
	4	C4
	5	C5
	6	NC
	7	+5V
	8	NC
9	GND	

## 4. Truth Table

ID	C5	C4	C3	C2	C1	Signal Path State
4-1	0	0	0	0	0	J0-J1
	0	0	0	0	1	J0-J2
	0	0	0	1	0	J0-J3
	0	0	0	1	1	J0-J4
	0	0	1	0	0	J0-J5
	0	0	1	0	1	J0-J6
	0	0	1	1	0	J0-J7
	0	0	1	1	1	J0-J8
	0	1	0	0	0	J0-J9
	0	1	0	0	1	J0-J10
	0	1	0	1	0	J0-J11
	0	1	0	1	1	J0-J12
	0	1	1	0	0	J0-J13
	0	1	1	0	1	J0-J14
	0	1	1	1	0	J0-J15
	0	1	1	1	1	J0-J16
	1	0	0	0	0	J0-J17
	1	0	0	0	1	J0-J18
	1	0	0	1	0	J0-J19
	1	0	0	1	1	J0-J20
	1	0	1	0	0	J0-J21
	1	0	1	0	1	J0-J22
	1	0	1	1	0	J0-J23
	1	0	1	1	1	J0-J24
1	1	1	X	X	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	/

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