

HX140KG9081G SP40T Switch

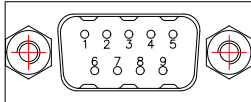
1. Description

ID	Items	Specifications
1-1	Type	Absorptive SP40T Switch
1-2	Frequency Range	0.4GHz ~ 18GHz
1-3	Isolation	≥80dB
1-4	Insertion Loss	≤4.5dB@0.4GHz ~ 6GHz ≤7.0dB@6GHz ~ 12GHz ≤9.5dB@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/≤1.8A

2. Environmental Specifications

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

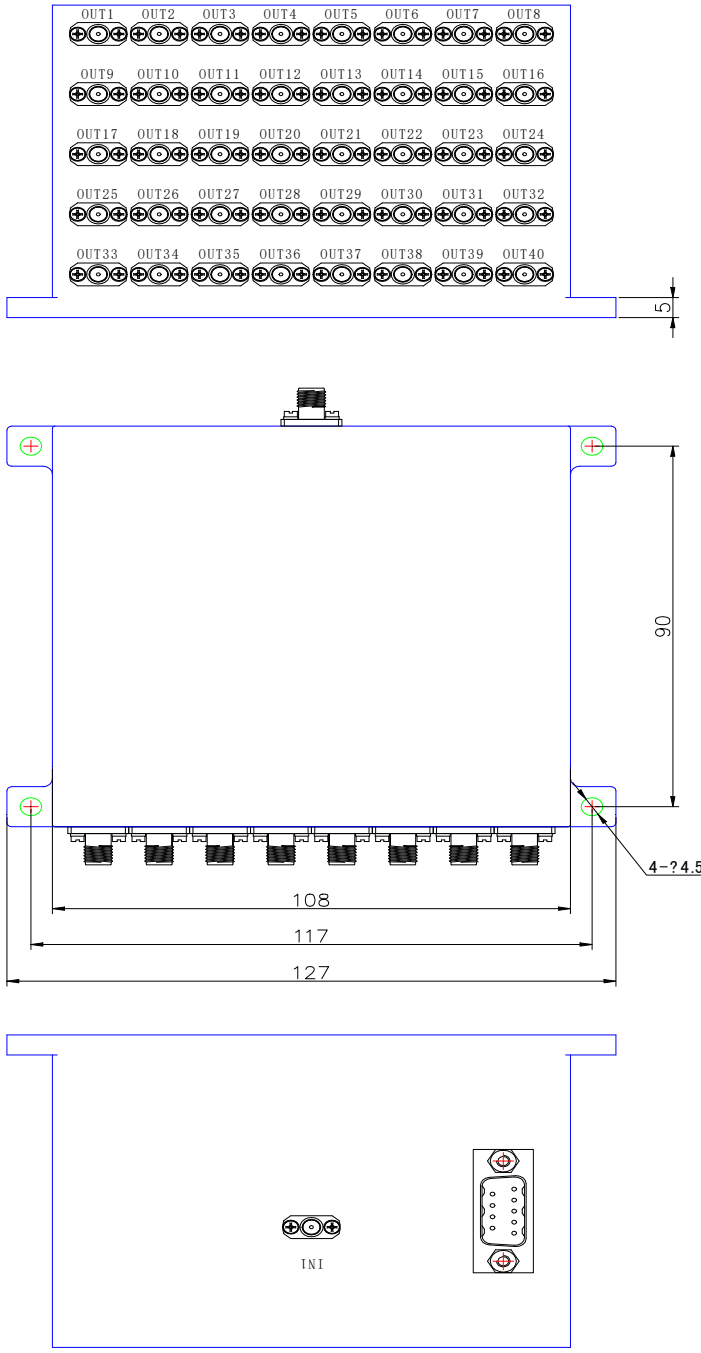
3. Interface

ID	Items	Specifications
3-1	Control Connectors	DB9-Male
		
3-2	NO	Specifications
	1	C1
	2	C2
	3	C3
	4	C4
	5	C5
	6	C6
	7	+5V
	8	NC
9	GND	

4. Truth Table

C6	C5	C4	C3	C2	C1	Signal Path State
0	0	0	0	0	0	J0-J1
0	0	0	0	0	1	J0-J2
0	0	0	0	1	0	J0-J3
0	0	0	0	1	1	J0-J4
0	0	0	1	0	0	J0-J5
0	0	0	1	0	1	J0-J6
0	0	0	1	1	0	J0-J7
0	0	0	1	1	1	J0-J8
0	0	1	0	0	0	J0-J9
0	0	1	0	0	1	J0-J10
0	0	1	0	1	0	J0-J11
0	0	1	0	1	1	J0-J12
0	0	1	1	0	0	J0-J13
0	0	1	1	0	1	J0-J14
0	0	1	1	1	0	J0-J15
0	0	1	1	1	1	J0-J16
0	1	0	0	0	0	J0-J17
0	1	0	0	0	1	J0-J18
0	1	0	0	1	0	J0-J19
0	1	0	0	1	1	J0-J20
0	1	0	1	0	0	J0-J21
0	1	0	1	0	1	J0-J22
0	1	0	1	1	0	J0-J23
0	1	0	1	1	1	J0-J24
0	1	1	0	0	0	J0-J25
0	1	1	0	0	1	J0-J26
0	1	1	0	1	0	J0-J27
0	1	1	0	1	1	J0-J28
0	1	1	1	0	0	J0-J29
0	1	1	1	0	1	J0-J30
0	1	1	1	1	0	J0-J31
0	1	1	1	1	1	J0-J32
1	0	0	0	0	0	J0-J33
1	0	0	0	0	1	J0-J34
1	0	0	0	1	0	J0-J35
1	0	0	0	1	1	J0-J36
1	0	0	1	0	0	J0-J37
1	0	0	1	0	1	J0-J38
1	0	0	1	1	0	J0-J39
1	0	0	1	1	1	J0-J40
1	1	X	X	X	X	ALL OFF

5. Outline Drawing

ID	Items	Specifications
5-1	Outline Drawing	Unit: mm
<p>Tolerances:±0.1mm</p>  <p>The drawing shows a rectangular device with 40 output ports arranged in five rows of eight. The top row is labeled OUT1 to OUT8, the second row OUT9 to OUT16, the third row OUT17 to OUT24, the fourth row OUT25 to OUT32, and the fifth row OUT33 to OUT40. Dimensions include a total width of 127mm, an inner width of 117mm, and a width of 108mm for the port array. The height is 90mm. A 5mm dimension is shown at the bottom right. A detail of a port is shown with a diameter of 4-24.5mm. The bottom view shows two input ports labeled IN1 and IN2.</p>		
5-2	Material	Aluminum
5-3	Finished	Nickel Plated
5-4	Weight	/

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