

HX16KG4082G SP6T Switch

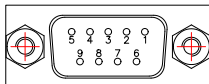
1. Description

NO	Items	Specifications
1-1	Type	Reflective SP6T Switch
1-2	Frequency Range	300KHz ~ 8GHz
1-3	Isolation	$\geq 55\text{dB}$
1-4	Insertion Loss	$\leq 3.8\text{dB}$
1-5	VSWR	≤ 1.6
1-6	Impedance	50Ω
1-7	RF Input Power	24dBm
1-8	Switching Speed	$\leq 500\text{ns}$
1-9	Input/Output Connectors	SMA-F
1-10	Control Connectors	DB9-male
1-11	Control	TTL=0 ~ 0.8V/3.3 ~ 5V
1-12	DC Power Supply	+5V/ $\leq 100\text{mA}$

2. Environmental Specifications

NO	Items	Specifications
2-1	Operational Temperature	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$
2-2	Storage Temperature	$-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$

3. Interface

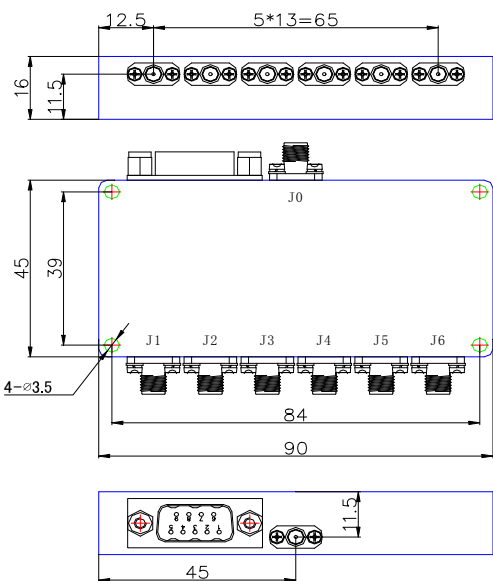
NO	Items	Specifications
3-1	Control Connectors	DB9-male
		
3-2	NO	Specifications
	1	C1
	2	C2
	3	C3
	4	NC
	5	NC
	6	NC
	7	+5V
	8	NC
	9	GND

4. Truth Table

NO	C3	C2	C1	Signal Path State
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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 Ports Off

5. Outline Drawing

NO	Items	Specifications
5-1	Outline Drawing	Unit: mm
Tolerances:±0.1mm  The drawing includes three views: a top view showing a rectangular layout with dimensions 12.5, 5*13=65, 16, 11.5, 45, 39, 84, 90, and 4-ø3.5; a side view showing dimensions 16, 11.5, and 45; and a detail view showing dimensions 45 and 11.5. The top view also labels ports J0, J1, J2, J3, J4, J5, and J6.		
5-2	Material	Aluminum
5-3	Finished	Nickel Plated
5-4	Weight	≤150g

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