

HX12KG4082G SPDT Switch

1. Description

ID	Items	Specifications
1-1	Type	Absorptive SPDT Switch
1-2	Frequency Range	0.3 ~ 8.5GHz
1-3	Isolation	≥80dB
1-4	Insertion Loss	≤1.6dB@0.4 ~ 6GHz ≤2.0dB@6 ~ 8.5GHz
1-5	VSWR	≤1.4
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	Φ0.8mm Glass Bead
1-11	Control	TTL=0 ~ 0.8V/3.3 ~ 5V
1-12	DC Power Supply	+5V/≤100mA

2. Environmental Specifications

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

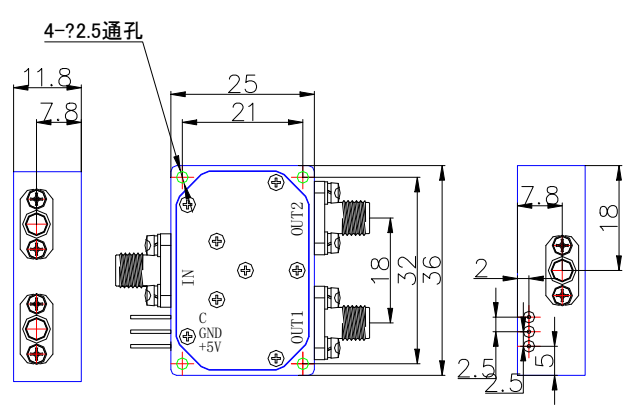
3. Truth Table

ID	C	Signal Path State
3-1	0	J0→J1
	1	J0→J2

4. Outline Drawing

ID	Items	Specifications
4-1	Outline Drawing	Unit: mm

Tolerances: ±0.1mm



The drawing shows three views of the switch: a side view, a top view, and a control connector detail. Key dimensions include a total width of 25mm and 21mm, a height of 36mm, and a control connector width of 7.8mm. Labels include '4-?2.5通孔' (4 holes of 2.5mm diameter), 'IN', 'OUT1', 'OUT2', 'C', 'GND', and '+5V'. The control connector detail shows a 7.8mm width with 2.5mm spacing between pins and a 1.8mm pin height.

4-2	Material	Aluminum
4-3	Finish	Nickel Plated
4-4	Weight	30g

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