

# HX28KGGF3082G Switch Matrix Module

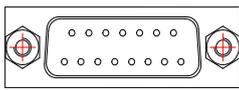
## 1. Description

ID	Items	Specifications
1-1	Type	Absorptive 2*8 Switch Matrix Module
1-2	Frequency Range	0.5GHz ~ 8GHz
1-3	Isolation	≥120dB
1-4	Insertion Loss	≤10dB
1-5	VSWR	≤1.8
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	DB15-Female
1-11	Control	TTL=0V/3.3V ~ 5V
1-12	DC Power Supply	+5V/≤700mA

## 2. Environmental Specifications

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

## 3. Interface

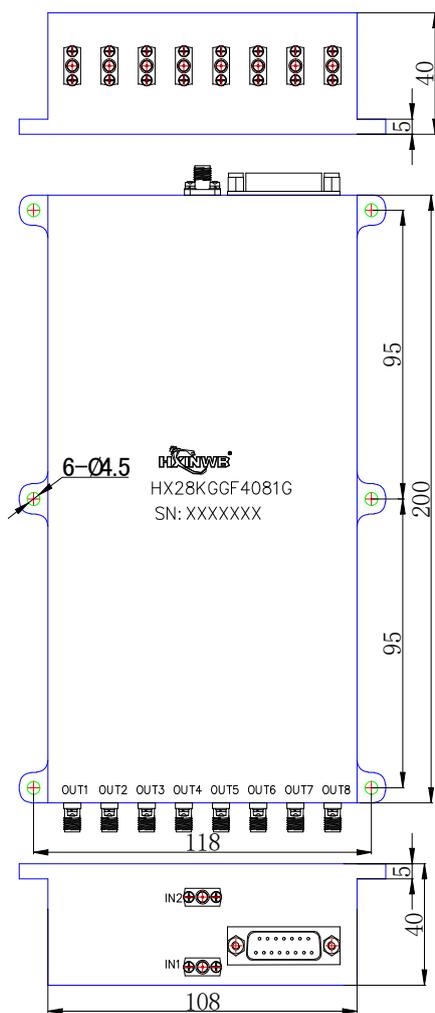
ID	Items	Specifications
3-1	Control Connectors	DB15-Female
		
3-2	<b>NO</b>	<b>Specifications</b>
	1,2	+5V
	3,4	GND
	5	C1
	6	C2
	7	C3
	8	C4
	9	C5
	10	C6
	11	C7
12	C8	
13~15	NC	

## 4. Truth Table

ID	C4	C3	C2	C1	Signal Path State
4-1	0	0	0	0	IN1-OUT1
	0	0	0	1	IN1-OUT2
	0	0	1	0	IN1-OUT3
	0	0	1	1	IN1-OUT4
	0	1	0	0	IN1-OUT5
	0	1	0	1	IN1-OUT6
	0	1	1	0	IN1-OUT7
	0	1	1	1	IN1-OUT8
	1	0	0	0	IN1 ALL OFF
ID	C8	C7	C6	C5	Signal Path State
4-2	0	0	0	0	IN2-OUT1
	0	0	0	1	IN2-OUT2
	0	0	1	0	IN2-OUT3
	0	0	1	1	IN2-OUT4
	0	1	0	0	IN2-OUT5
	0	1	0	1	IN2-OUT6
	0	1	1	0	IN2-OUT7
	0	1	1	1	IN2-OUT8
	1	0	0	0	IN2 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.