

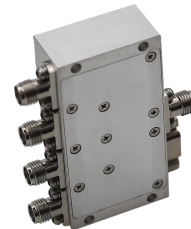
40-67 GHz Broadband Switch

P/N: SP4T4067GA50A



Description:

The switch is a broadband PIN switch with a typical Loss insertion of 10 dB and a high isolation of 50 dB across the frequency range of 40 to 67 GHz. The typical switch speed 50 ns. The DC power requirement for the switch is +5V/200 mA -5V/-50mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		40-67		GHz
Insertion Loss		10	12	dB
Isolation	40	50		dB
Input VSWR		2.0	2.5	-
Output VSWR		2.0	2.5	-
Switch Speed		100	100	ns
Power Handling			14	dBm
DC Current (Vcc=+/-5V)		200/-50		mA
Control Logic TTL		0/+5		v
Impedance		50		Ω
Input Output Connector	1.85-Female/1.85-Female			
Control\DC Connector	J30J-9ZKP			
Switch Type	Absorption			
Material	Aluminium\Gold Painting			
Weight	-			
Package Sealing	General Sealing (Standard)			

Environmental Specifications:

- ※ Operational Temperature -25°C~+85°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

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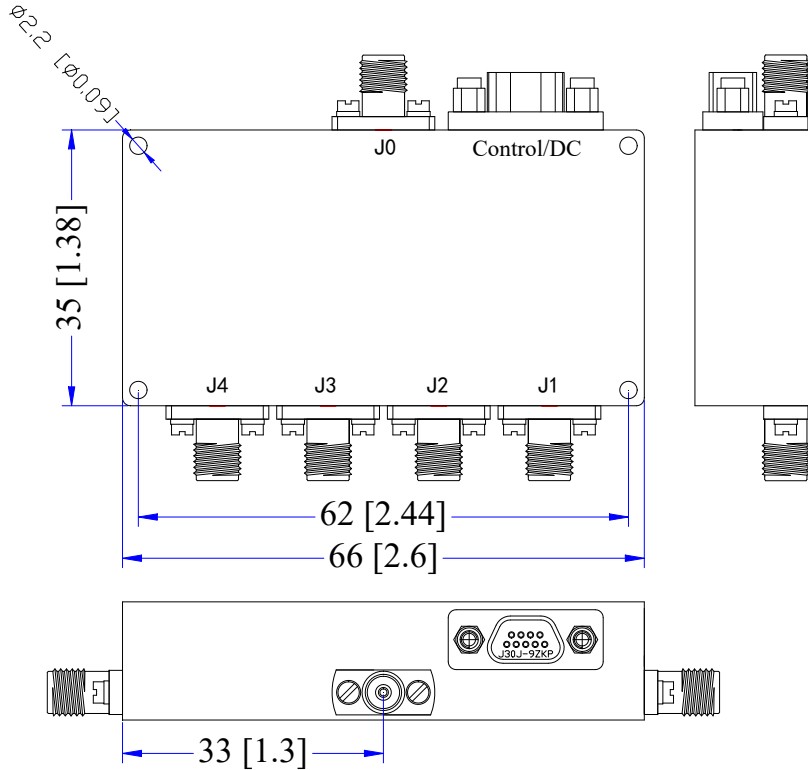
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Outline Drawing

All Dimensions in mm (inches) Tolerance ± 0.25 (0.01)



Truth Table				
Control TTL Input				Signal Path State
C1	C2	C3	C4	
1	0	0	0	Jo-J1
0	1	0	0	Jo-J2
0	0	1	0	Jo-J3
0	0	0	1	Jo-J4

TTL Control Voltages & VDD	
Stage	Bias Condition
VDD	+5V ($\pm 10\%$)
VEE	-5V ($\pm 10\%$)
Low	0 to 0.8Vdc
High	2.0 to +5.0Vdc

J30J-9ZKP Define	1	2	3	4	5	6	7	8	9
	+5V	-5V	GND	C1	C2	C3	C4	NC	NC

NOTE:

1. The product is designed to meet environmental ratings but not tested. If you need to test environmental condition, please contact our sales department.
2. Miczen technologies co., Ltd. reserves the right to change the above information without notice.

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