

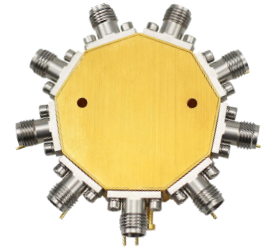
8-26.5GHz Broadband Switch

P/N: SP8T080265GA50A



Description:

The switch is a broadband PIN switch with a typical loss insertion of 4.5 dB and a high isolation of 52 dB across the frequency range of 8 to 26.5 GHz. The typical switching speed is 40ns. The DC power requirement for the switch is + V/350mA -5V/-40mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		8-26.5		GHz
Insertion Loss		4.5		dB
Isolation	50	52		dB
Input VSWR		1.8	2.2	-
Output VSWR		1.8	2.2	-
Channel phase consistency			±10	°
Switching Speed		40	50	ns
Power Handling			20	dBm
DC Current (Vcc=+/-5V)		350/-40		mA
Control Logic TTL		0/+5		v
Control Port		Welding pin		
Impedance		50		Ω
Switch Type		Absorption		
Input Output Connector		2.92-Female/2.92-Female		
Material		Aluminium\Gold Painting		
Weight		50g		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

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



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

MICZEN THCHNOLOGIES CO.,LTD.

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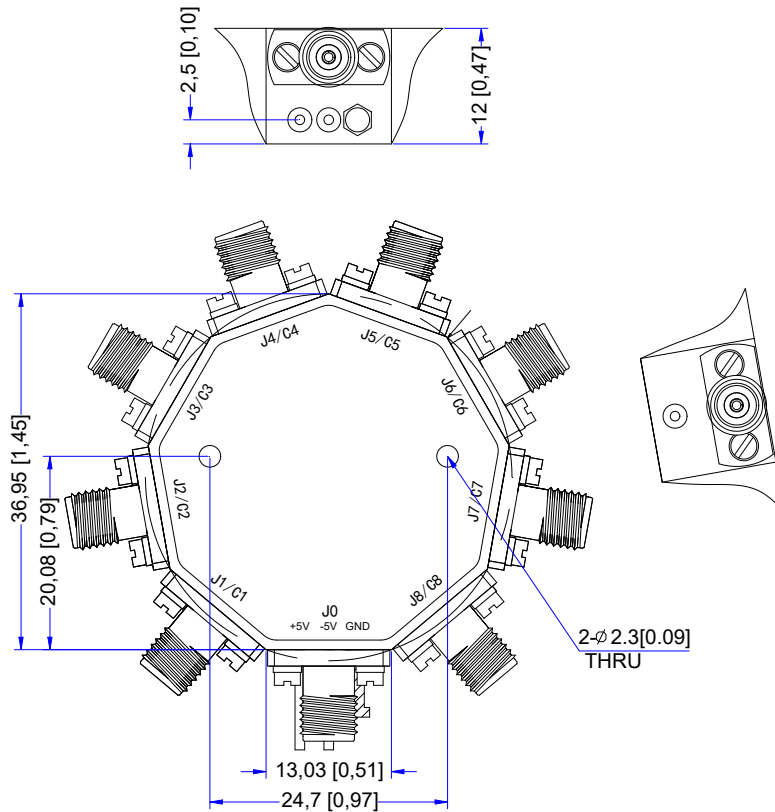
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Outline Drawing

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



TTL Control Voltages & VDD	
Stage	Bias Condition
VDD	+5V (±10%)
VEE	-5V (±10%)
Low (0)	0 to 0.8Vdc
High (1)	2.0 to +5.0Vdc

Control Input TTL								Signal Path State
C8	C7	C6	C5	C4	C3	C2	C1	
1	1	1	1	1	1	1	0	J0-J1
1	1	1	1	1	1	0	1	J0-J2
1	1	1	1	1	0	1	1	J0-J3
1	1	1	1	0	1	1	1	J0-J4
1	1	1	0	1	1	1	1	J0-J5
1	1	0	1	1	1	1	1	J0-J6
1	0	1	1	1	1	1	1	J0-J7
0	1	1	1	1	1	1	1	J0-J8

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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