

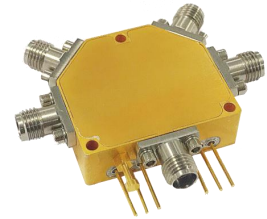
0.5-50GHz Broadband Switch

P/N: MZSP4T00550GA



Description:

The switch is a broadband PIN switch with a typical insertion loss of 5 dB and a high isolation of 65dB across the frequency range of 0.5 to 50 GHz. The typical switching speed is 50ns. The DC power requirement for the switch is +/-5 V 100/50 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.		Typ.		Max.		Units
Frequency Range	0.5-30		30-50				GHz
Insertion Loss	4.0	4.5	5	6.5			dB
Isolation	60	65	48	55			dB
Input VSWR	1.8	2.0	1.8	2.2			
Output VSWR	1.8	2.0	1.8	2.2			
Switching Speed			50	100			ns
Power Handling			23				dBm
DC Current (Vcc=+/-5V)			100/50				mA
Control Logic TTL			0/+5				v
Impedance			50				Ω
Input Output Connector			2.4-Female/2.4-Female				
Switching Type			Absorption				
Material			Aluminium\Gold Painting				
Weight			33g				
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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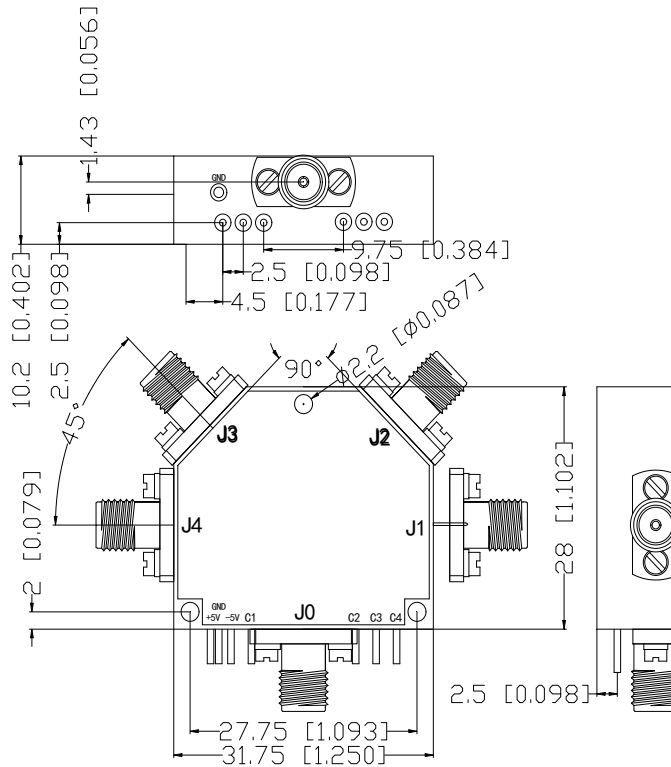
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■ Outline Drawing

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



Truth Table				
TTL Control Input				Signal Path State
C4	C3	C2	C1	
1	1	1	0	J0-J1
1	1	0	1	J0-J2
1	0	1	1	J0-J3
0	1	1	1	J0-J4

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

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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