

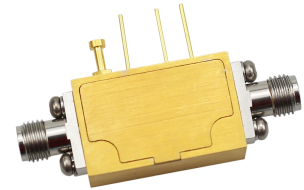
2-20GHz Broadband Switch

P/N: MZSPST0220GA



Description:

This is a broadband PIN switch with a typical insertion loss of 3 dB and a high isolation of 60 dB across the frequency range of 2 to 20 GHz. The typical switching speed is 50 ns. The DC power requirement for the switch is +/-5 V/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		2-20		GHz
Insertion Loss		3.0	4.0	dB
Isolation	60	70		dB
Input VSWR		1.5	2.0	-
Output VSWR		1.5	2.0	-
Switching Speed		50	100	ns
Power Handling			1	W
IIP3	50	55		dBm
DC Current (Vcc=+/-5V)		50/40		mA
Control Logic TTL		0/+5		v
Impedance		50		Ω
Input Output Connector		SMA-k/SMA-K		
Switch Type		Absorptive		
Material		Aluminium\Nickel Plated		
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

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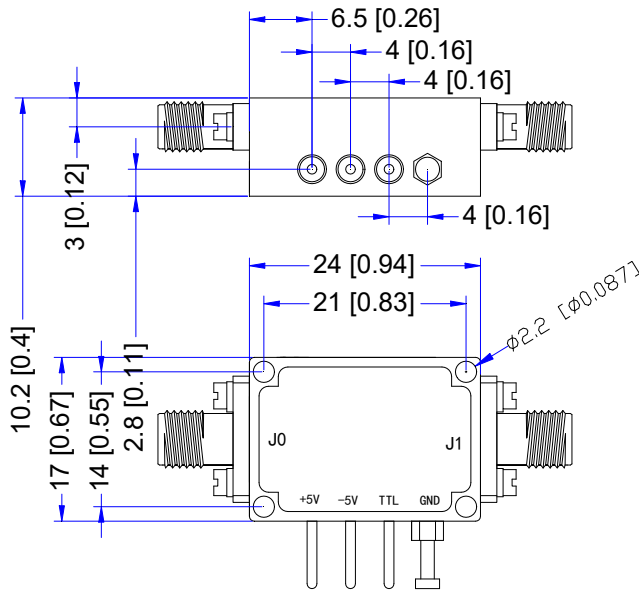
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■ Outline Drawing

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



Truth Table	
Control TTL Input	Signal Path State
C1	J0-J1
0	J0-J1
1	Off

TTL Control Voltages &VDD	
Stage	Bias Condition
VDD	+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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