

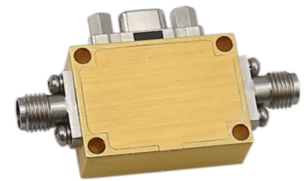
0.5-43GHz Broadband Switch

P/N: MZSPDT00543GA55A



Description:

The switch is a broadband PIN switch with a typical loss insertion of 4.0 dB and a high isolation of 55dB across the frequency range of 0.5 to 43 GHz. The typical switching speed is 50ns. 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		0.5-43		GHz
Insertion Loss		4.0	5.2	dB
Isolation	45	55		dB
Input VSWR		1.8	2.2	-
Output VSWR		1.8	2.2	-
Switching Speed		50	100	ns
Power Handling			20	dBm
IIP3		30		dBm
DC Current (Vcc=+/-5V)		100/50		mA
Control Logic TTL		0/+5		v
Control Port		MICROD-9P-Male		
Impedance		50		Ω
Switch Type		Absorption		
Input Output Connector		2.92-Female/2.92-Female		
Material		Aluminium\Gold Painting		
Weight		30g		
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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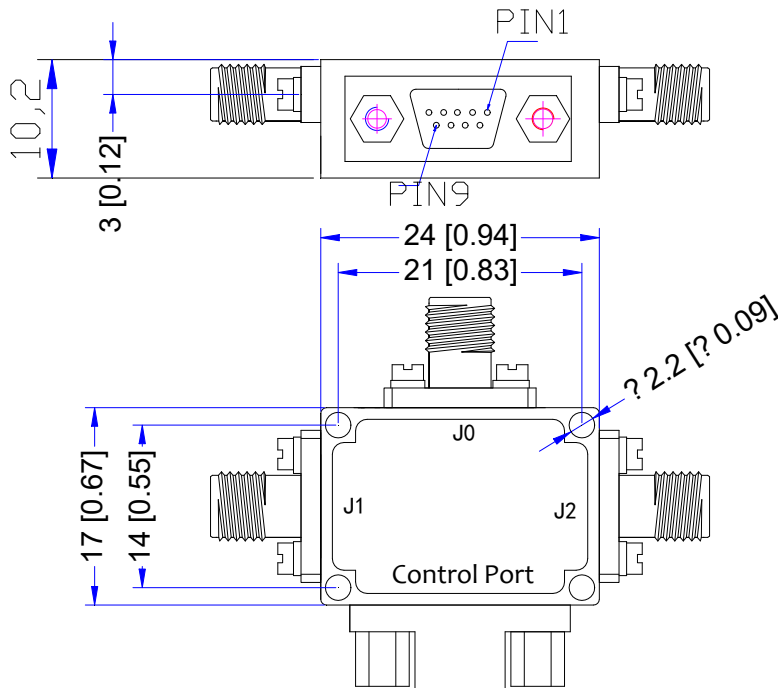
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■ Outline Drawing

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	J0-J2

MICROD-9P-Male								
1	2	3	4	5	6	7	8	9
+5V	-5V	GND	C1	NC	NC	NC	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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