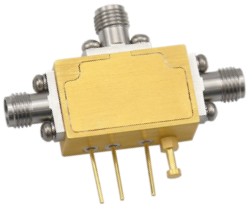
0.3-40GHz Broadband Switch

P/N: MZSPDT003400GA

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 0.3 to 40 GHz. The typical switch speed 100ns. 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℃）:

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.3-40		GHz
Insertion Loss		4.0	5.0	dB
Isolation	55			dB
Input VSWR		2.0	2.5	-
Output VSWR		2.0	2.5	-
Switch Speed		100	200	ns
Power Handing			23	dBm
Amplitude repeated switching stability		0.1		dB
Phase repeated switching stability		3		°
Amplitude consistency		±1		dB
Phase consistency		±30		°
DC Current (Vcc=+/-5V)		50/50		mA
Control Logic TTL		0/+5		v
Impedance		50		Ω
Input Output Connector		2.92-Female/2.92-Female		
Switch type		Absorptive		
Material		Aluminium\Gold Painting		
Weight		17g		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

※ Operational Temperature -25℃~+85℃

※ Storage Temperature -55℃~+125℃

RoHS COMPLIANT

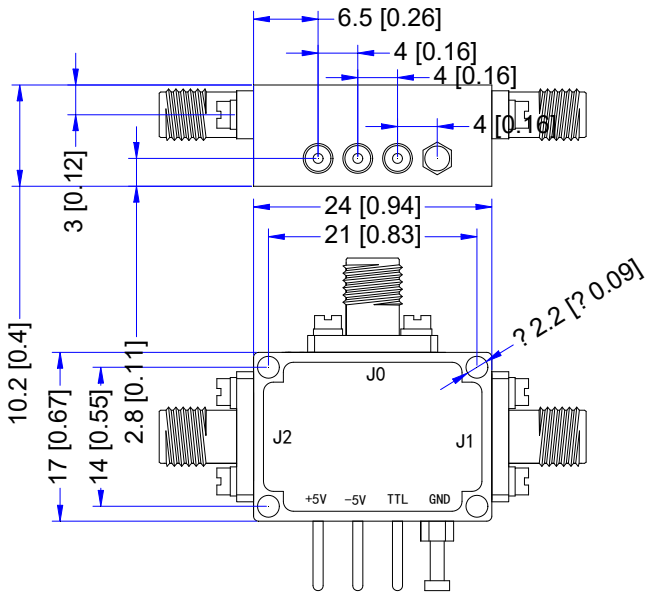
OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES

MICZEN THCHNOLOGIES CO.,LTD.

Phone: +86 28 65003621 | E-mail: sales@miczen.com | Web: www.miczen.com

■ Outline Drawing

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



Truth Table	
Control TTL Input	**Signal Path State**
C1	
0	J0-J1
1	J0-J2

TTL Control Voltages &VDD	
Stage	Bias Condition
VDD	+5V (±5%)
VEE	-5V (±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.