

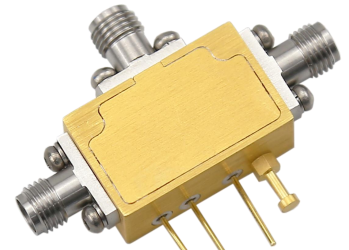
14.3-14.8GHz Broadband Switch

P/N: SPDT143148GA



Description:

The switch is a broadband PIN switch with a insertion loss of 2.0 dB and a high isolation of 60dB across the frequency range of 14.3 to 14.8 GHz. The switching speed is 150 ns. The DC power requirement for the switch is +5V/30 mA , -5V/-30 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		14.3-14.8		GHz
Insertion Loss		2.0	2.2	dB
Isolation	60			dB
Input VSWR		1.2	1.3	-
Output VSWR		1.2	1.3	-
Switching Speed			150	ns
Input Power(CW)			1	W
DC Current (Vcc=+/-5V)		30/-30		mA
Control Logic TTL		5.0		v
Input Output Connector	SMA-Female/SMA-Female			
Switching Type	Absorptive			
Material	Aluminium\Natural color conductive oxidation			
Weight		10g		
Package Sealing	General Sealing (Standard)			

Environmental Specifications:

- ※ Operational Temperature -40°C~+85°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

MICZEN THCHNOLOGIES CO.,LTD.

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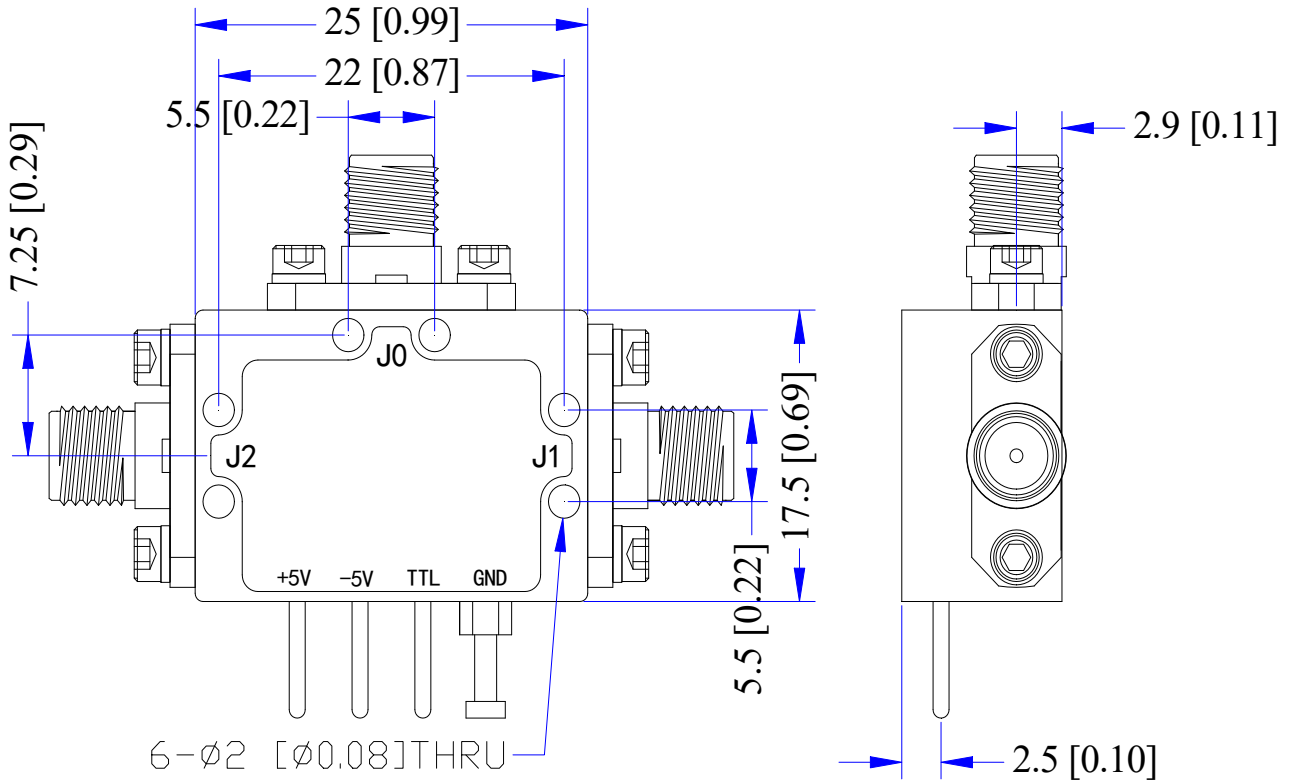
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■ Outline Drawing

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



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

TTL Control Voltages & VDD	
Stage	Bias Condition
VDD	+5V ($\pm 5\%$)
VEE	-5V ($\pm 5\%$)
Low(0)	0 to 0.8Vdc
High(1)	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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