

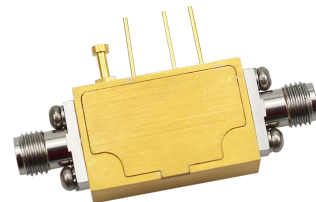
0.5-18GHz Broadband Switch

P/N:SPST005180GA80A



Description:

The switch is a broadband PIN switch with a typical insertion loss of 2.9 dB and a high isolation of 80dB across the frequency range of 0.5 to 15 GHz. The typical switching speed is 50ns. The DC power requirement for the switch is +5V 30mA, -5V -30mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.5-18		GHz
Insertion Loss			2.9	dB
Isolation	80			dB
Switching Speed			50	ns
Power Handling			23	dBm
VSWR			2.2	:1
DC Current (Vcc=+/-5V)		+30/-30		mA
Control Logic TTL		0/+5		V
Impedance		50		Ω
Input Output Connector		SMA-Female/SMA-Female		
Switching Type		Absorption		
Material		Aluminium\Gold Painting		
Weight		-		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

- ※ Operational Temperature: -25°C~+85°C
- ※ Storage Temperature: -65°C~+125°C
- ※ Vibration: MIL-STD-202F,Method 204D Cond.B
- ※ Altitude: MIL-STD-202F,Method 105C Cond.B
- ※ Temperature Cycle: MIL-STD-202F,Method 107D Cond.A



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

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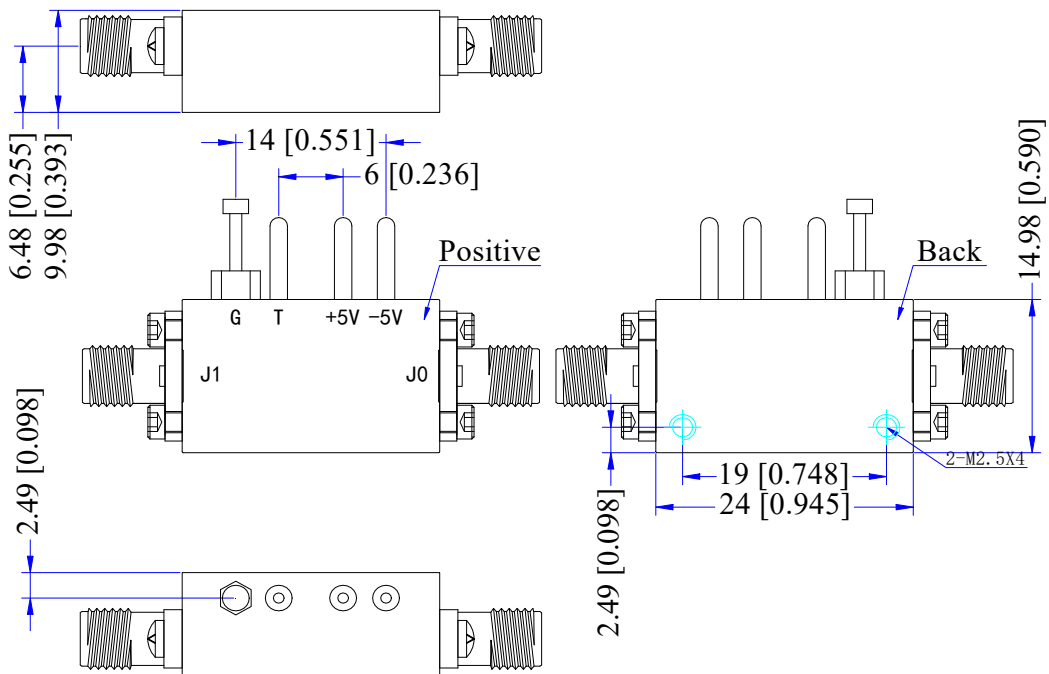
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■ Outline Drawing

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



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

TTL Control Voltages &VDD	
Stage	Bias Condition
VDD	+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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