

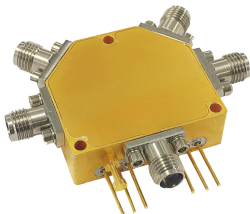
0.05-40GHz Broadband Switch

P/N: SP4T00054000GA45A



Description:

The switch is a broadband PIN switch with a typical Loss insertion of 8.5 dB and a high isolation of 45dB across the frequency range of 0.05G to 40GHz. The typical switch speed 50ns. The DC power requirement for the switch is +15V/150mA ,-15V/-50mA . Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.05-40		GHz
Insertion Loss		8.5	9.5	dB
Isolation	45	50		dB
Input VSWR		2.5		-
Output VSWR		2.5		-
Switch Speed		50		ns
Power Handing			23	dBm
DC Current (Vcc=+15V/-15V)		150/-50		mA
Control Logic TTL		0/+5		v
Impedance		50		Ω
Input Output Connector		2.92-Female/2.92-Female		
Switch Type		Absorption		
Material		Aluminium\Gold Painting		
Weight		60g		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

- ※ Operational Temperature -25°C~+85°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

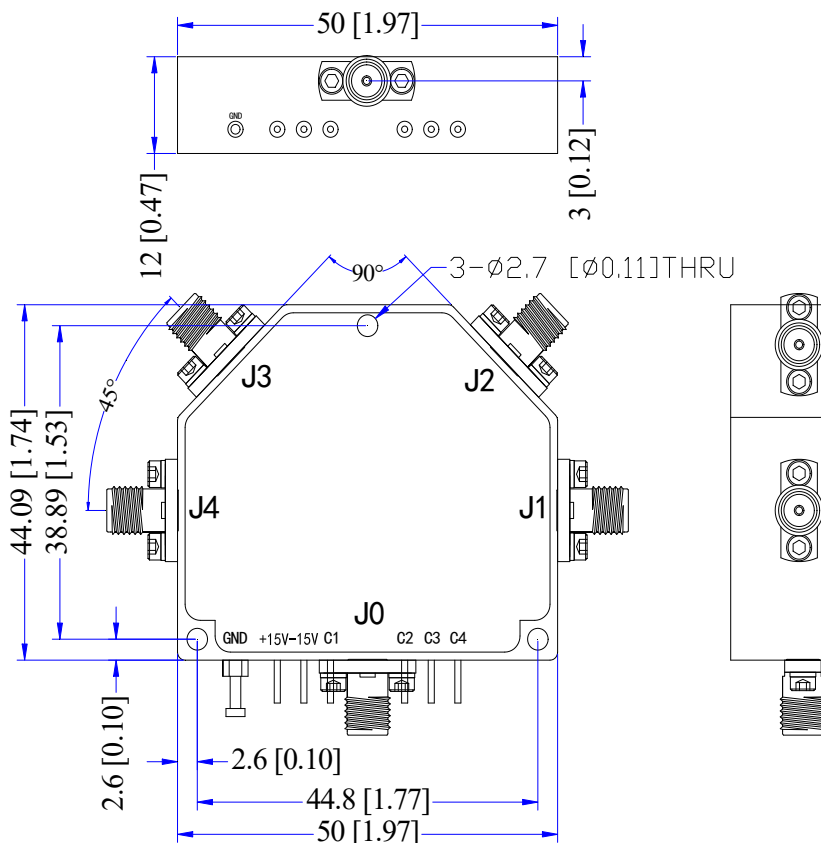
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All Dimensions in mm (inches) Tolerance ± 0.25 (0.01)



Truth Table				
TTL Control Input				Signal Path State
C4	C3	C2	C1	
1	1	1	0	J0-J1
1	1	0	1	J0-J2
1	0	1	1	J0-J3
0	1	1	1	J0-J4

TTL Control Voltages &VDD	
Stage	Bias Condition
VDD	+15V ($\pm 5\%$)
VEE	-15V ($\pm 5\%$)
Low (0)	0 to 0.8Vdc
High (1)	2.0 to +5.0Vdc

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.