

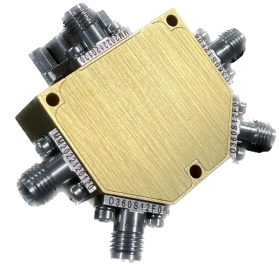
0.4-43GHz Broadband Switch

P/N: SP4T004430GD55A



Description:

The switch is a broadband PIN switch with a typical Loss insertion of 5 dB and a high isolation of 55 dB across the frequency range of 0.4 to 43 GHz. The typical switch speed 50 ns. The DC power requirement for the switch is +5V/100 mA -5V/-50mA . Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.4-43		GHz
Insertion Loss		5	5.8	dB
Isolation	45	55		dB
Input VSWR		2.2	2.5	-
Output VSWR		2.2	2.5	-
Switch Speed		50	100	ns
Power Handling			23	dBm
DC Current (Vcc=+/-5V)		100/-50		mA
Impedance		50		Ω
Input Output Connector	2.92-Female/2.92-Female			
Control Connector	MICROD-9P-Female			
Switching Type	Absorptive			
Material	Aluminium\Gold Painting			
Weight	40g			
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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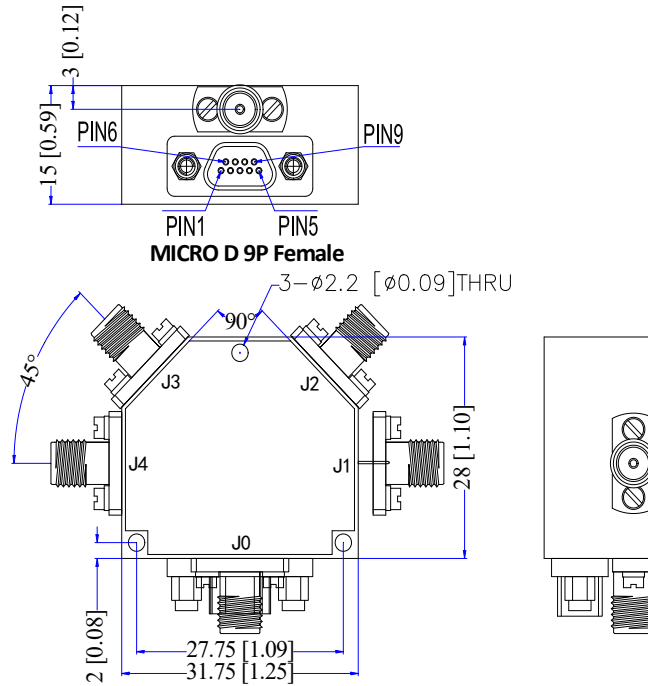
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Outline Drawing

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



Truth Table			TTL Control Voltages & VDD	
TTL Control Input		Signal Path State	Stage	Bias Condition
C2	C1		VDD	VEE
0	0	J0-J1	Low(0)	High(1)
0	1	J0-J2	High(1)	Low(0)
1	0	J0-J3	Low(0)	High(1)
1	1	J0-J4	High(1)	Low(0)

MICROD-9P-Female Define	1	2	3	4	5	6	7	8	9
	+5V	-5V	GND	C1	C2	NC	NC	NC	NC

NOTE:

- The product is designed to meet environmental ratings but not tested. If you need to test environmental condition, please contact our sales department.
- Miczen technologies co., Ltd. reserves the right to change the above information without notice.

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