

0.07-14.5GHz Broadband Switch

P/N: SP4T00071450GA60A



Description:

The switch is a broadband PIN switch with a typical Loss insertion of 3.5 dB and a high isolation of 85dB across the frequency range of 0.07 to 14.5 GHz. The typical switch speed 40ns. The DC power requirement for the switch is +5 V/150 mA - 5V/20mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.07-14.5		GHz
Insertion Loss		3.5	4	dB
Isolation	80	85		dB
Input VSWR		1.5	2	-
Output VSWR		1.5	2	-
Switch Speed		40	50	ns
RF Input Power			23	dBm
DC Current (Vcc=+5V/-5V)		150/20		mA
Control Logic TTL		"0"=Low ; "1"=High		v
Impedance		50		Ω
Input Output Connector		SMA-female/SMA-female		
Switch Type		Absorptive		
Material		Aluminium/Native conductive oxidation		
Weight		-		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

- ※ Operational Temperature -10°C~+50°C
- ※ Storage Temperature -55°C~+125°C



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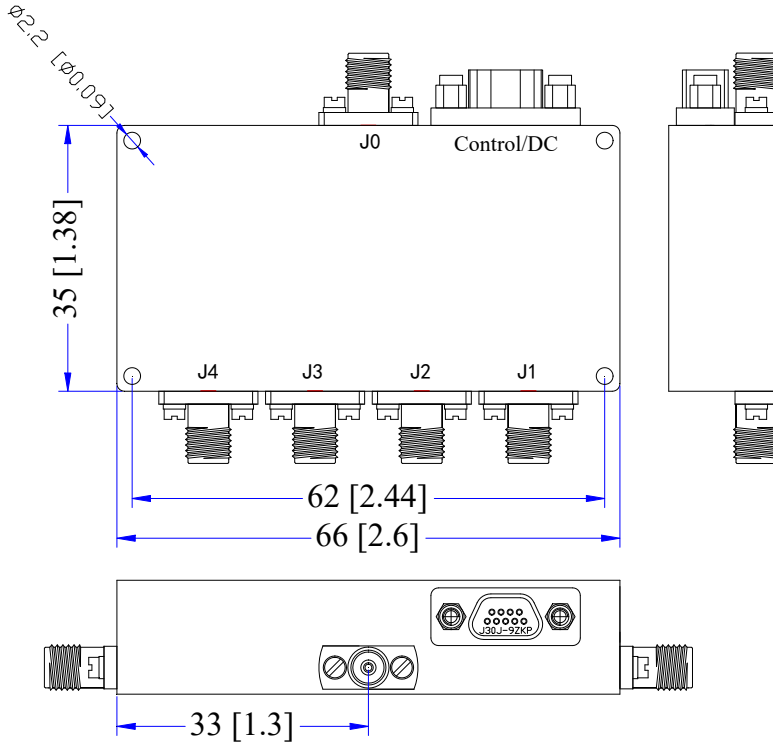
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■ Outline Drawing

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



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

TTL Control Voltages &VDD	
Stage	Bias Condition
VDD	+5V ($\pm 10\%$)
VEE	-5V ($\pm 10\%$)
Low	0 to 0.8Vdc
High	2.0 to +5.0Vdc

J30J-9ZKP Define	1	2	3	4	5	6	7	8	9
		+5V	-5V	GND	C1	C2	C3	C4	NC

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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