

# 0.6-7.25GHz Broadband Switch

P/N: MZSP4T00600725GA60A



## Description:

The switch is a broadband PIN switch with a typical Loss insertion of 1.9 dB and a high isolation of 75dB across the frequency range of 0.6 to 7.25 GHz. The typical switch speed 50ns. The DC power requirement for the switch is +/-5 V/50 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

## Electrical Specifications ( +25°C ) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.6-7.25		GHz
Insertion Loss		1.9	2.5	dB
Isolation	60	75		dB
Input VSWR		1.6	2.0	-
Output VSWR		1.6	2.0	-
Switch Speed		50	100	ns
Power Handing			30	dBm
DC Current (Vcc=+/-5V)		150/50		mA
Control Logic TTL		0/+5		v
Impedance		50		Ω
Input Output Connector	SMA-Female/SMA-Female			
Switch Type	Absorptive			
Material	Aluminium\Gold Painting			
Weight	-			
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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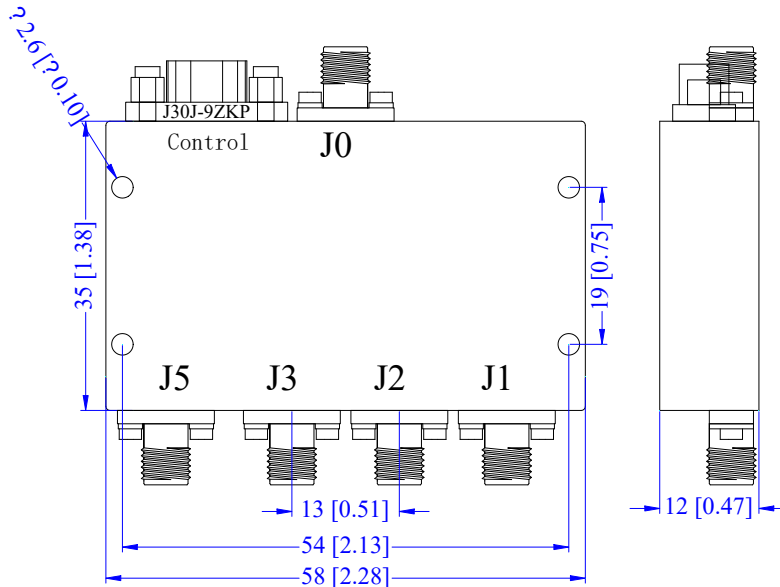
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## Outline Drawing

All Dimensions in mm (inches) Tolerance  $\pm 0.25$  (0.01)



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