

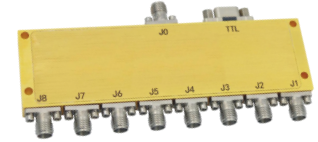
0.1-1.5GHz Broadband Switch

P/N: MZSP8T001015GA



Description:

The switch is a broadband PIN switch with a typical Loss insertion of 2.0 dB and a high isolation of 60dB across the frequency range of 0.1 to 1.5 GHz. The typical switch speed 500ns. 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		0.1-1.5		GHz
Insertion Loss			2.0	dB
Isolation	60			dB
Input VSWR		1.6	1.8	-
Output VSWR		1.6	1.8	-
Switch Speed			500	ns
Power Handling			30	dBm
DC Current (Vcc=+5/-12V)		750/50		mA
Control Logic TTL		0/+5		v
Impedance		50		Ω
Input Output Connector		SMA-Female		
Material		Aluminium\Gold Painting		
Switch Type		Absorptive		
Weight		50g		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

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



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

MICZEN THCHNOLOGIES CO.,LTD.

Phone: +86 28 65003621 | E-mail: sales@miczen.com | Web: www.miczen.com

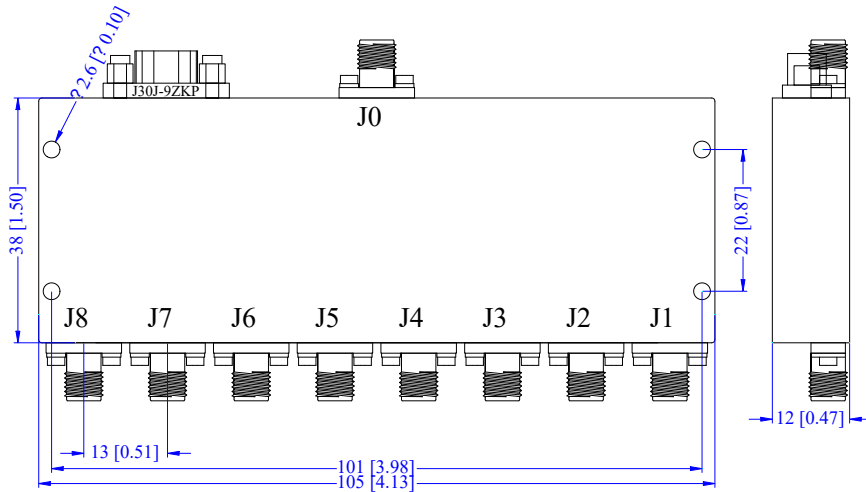
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Outline Drawing

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



Truth Table				
Control TTL Input				Signal Path State
C3	C2	C1	C0	
0	0	0	0	J0-J1
0	0	0	1	J0-J2
0	0	1	0	J0-J3
0	0	1	1	J0-J4
0	1	0	0	J0-J5
0	1	0	1	J0-J6
0	1	1	0	J0-J7
0	1	1	1	J0-J8

TTL Control Voltages & VDD	
Stage	Bias Condition
VDD	+5V ($\pm 10\%$)
VEE	-12V ($\pm 10\%$)
Low	0 to 0.8Vdc
High	2.0 to +5.0Vdc

J30J-9ZKP Define	1	2	3	4	5	6	7	8	9
	C1	C2	C3	C4	NC	NC	+5V	-12V	GND

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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Phone: +86 28 65003621 | E-mail: sales@miczen.com | Web: www.miczen.com