

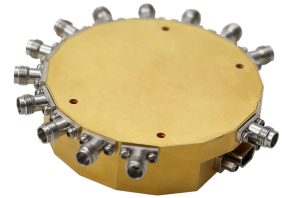
1-50GHz Broadband Switch

P/N: MZSP12T0150GA



Description:

The switch is a broadband PIN switch with a typical Loss insertion of 21 dB and a high isolation of 45dB across the frequency range of 1 to 50 GHz. The typical switch speed 10000ns. 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		1-50		GHz
Insertion Loss			21	dB
Isolation	45			dB
Input VSWR			2.5	-
Output VSWR			2.5	-
Switch Speed			10000	ns
Power Handing			23	dBm
DC Current (Vcc=+/-5V)			500	mA
Control Logic TTL		0/+5		v
Impedance		50		Ω
Input Output Connector		2.4mm-female/2.4mm-female		
Switch Type		Absorption		
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

MICZEN THCHNOLOGIES CO.,LTD.

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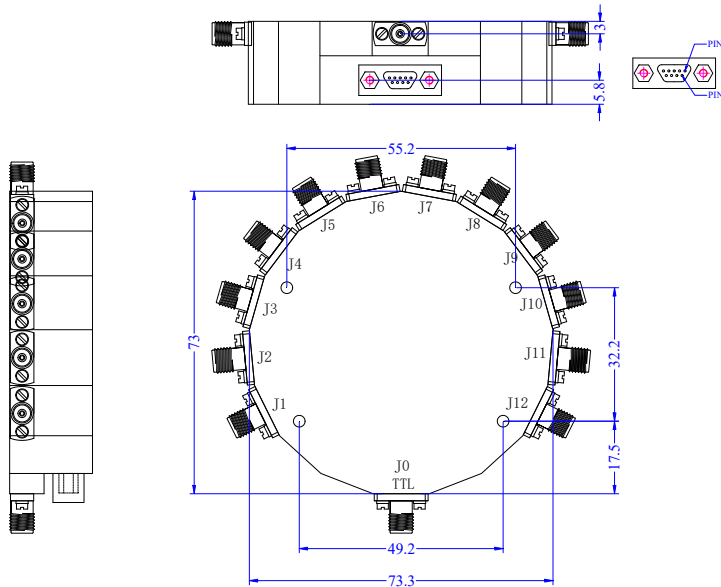
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Outline Drawing

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



Truth Table					
Control TTL Input					Signal Path State
C5	C4	C3	C2	C1	
1	1	1	1	0	J1
1	1	1	0	1	J2
1	1	1	0	0	J3
1	1	0	1	1	J4
1	1	0	1	0	J5
1	1	0	0	1	J6
1	1	0	0	0	J7
1	0	1	1	1	J8
1	0	1	1	0	J9
1	0	1	0	1	J10
1	0	1	0	0	J11
1	0	0	1	1	J12
1	1	1	1	1	J0全关

TTL Control Voltages & VDD	
Stage	Bias Condition
VDD	+5V ($\pm 5\%$)
Low	0 to 0.6Vdc
High	3.3 to +5.0Vdc

DB9	
1	+5V
2	GND
3	-5V
4	C1
5	C2
6	C3
7	GND
8	C4
9	C5

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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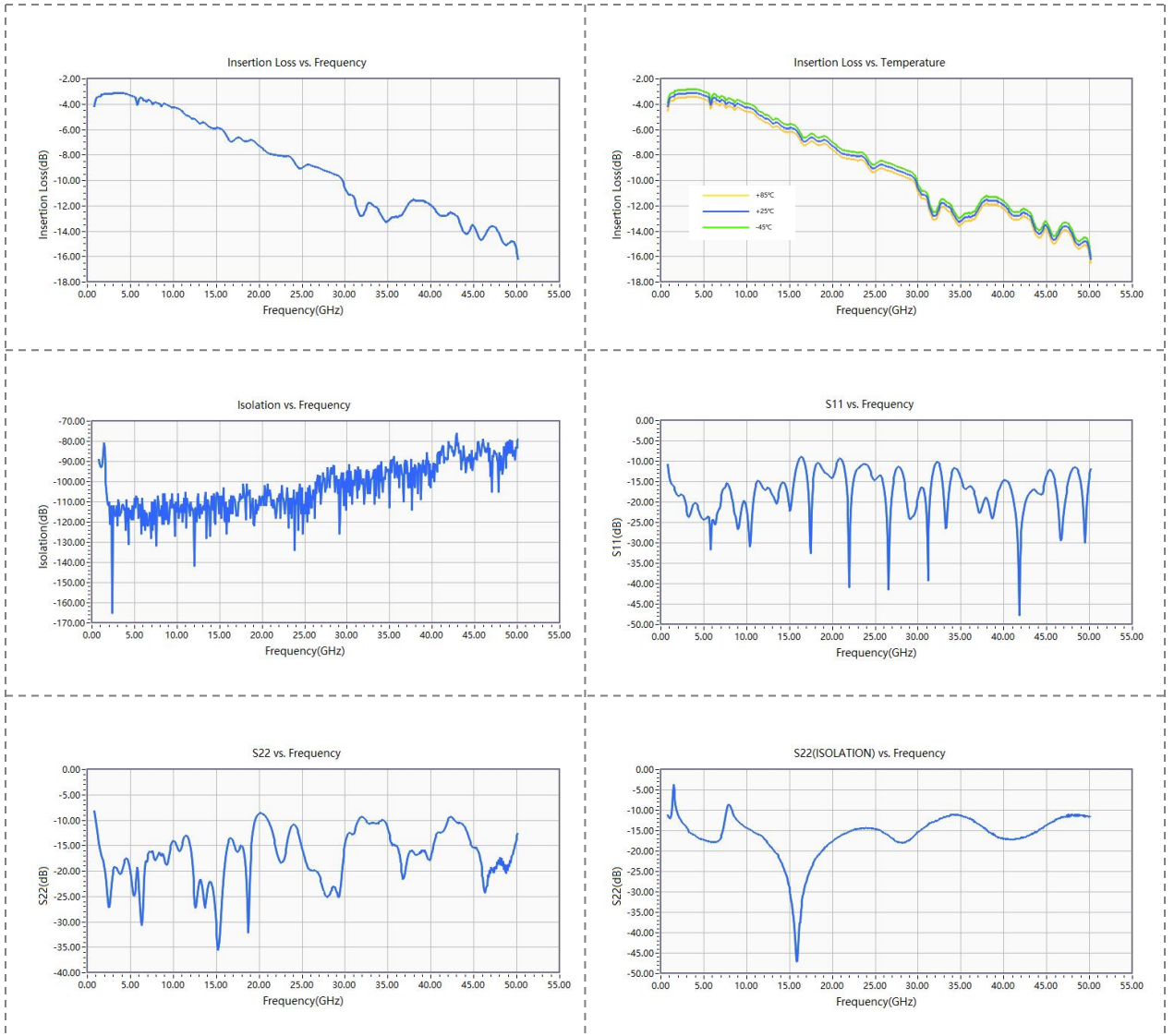
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Performance Plot



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