

0.3-4GHz Broadband Switch

P/N: SC-SP4T-00304



Description:

The switch is a broadband PIN switch with a typical Loss insertion of 1.5 dB and a high isolation of 70dB across the frequency range of 0.3 to 4 GHz. The typical switch speed 100ns. The DC power requirement for the switch is +/-5 V/260 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.3-4		GHz
Insertion Loss			1.5	dB
Isolation	70			dB
Input VSWR			1.3	-
Output VSWR			1.3	-
Power Handing	1			W
Switch Speed			200	ns
DC Current (Vcc=+/-5V)		260/100		mA
Impedance		50		Ω
Input Output Connector		SMA-K/SMA-K		
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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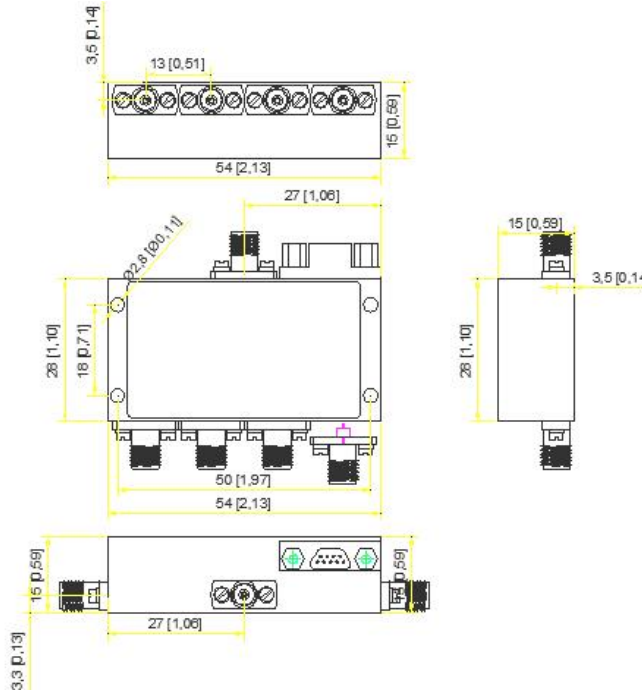
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Outline Drawing

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



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

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

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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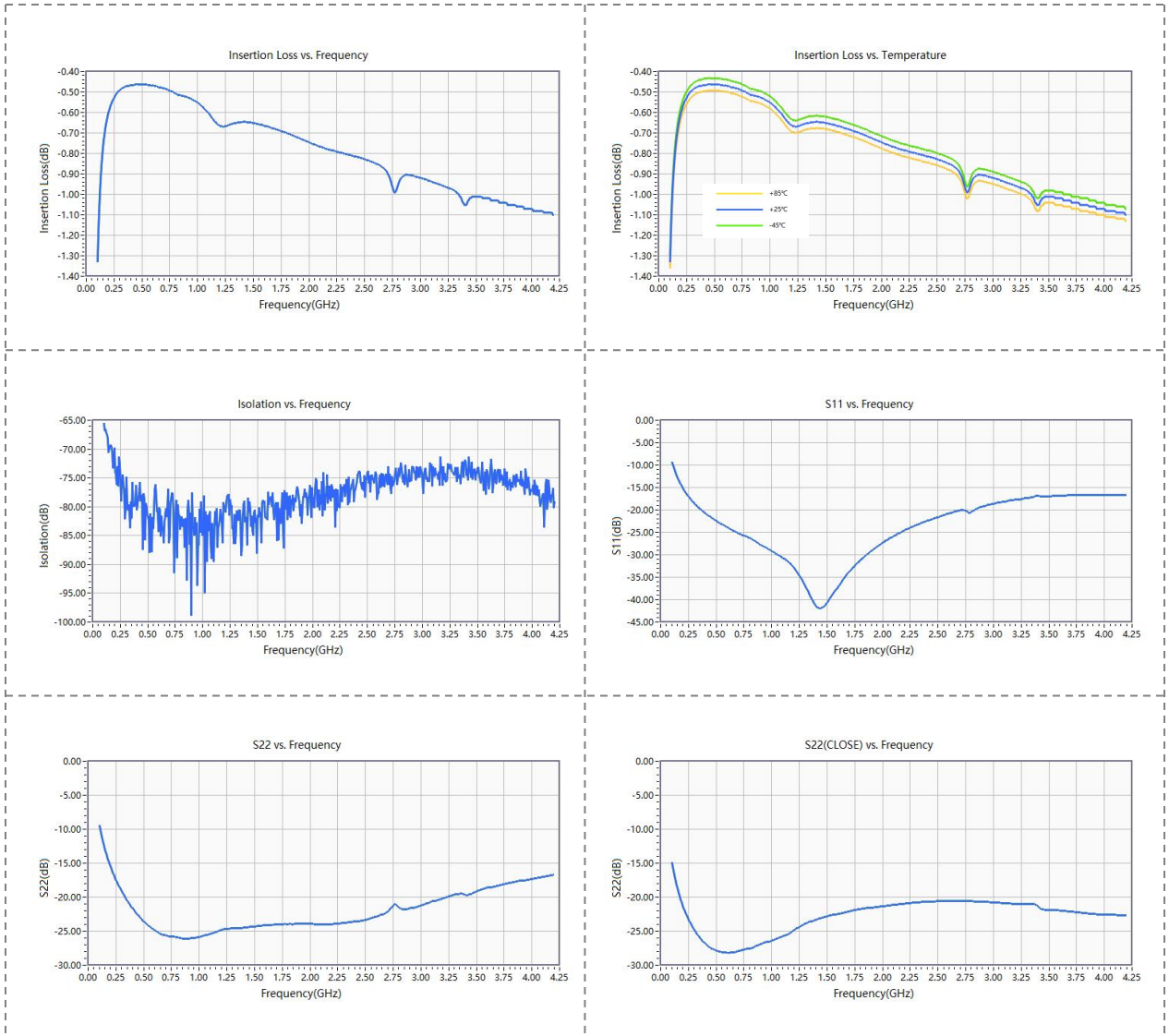
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Performance Plot



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