

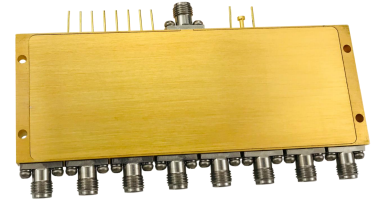
0.5-40GHz Broadband Switch

P/N: MZSP8T00540GA



Description:

The switch is a broadband PIN switch with a typical Loss insertion of 5.5 dB and a high isolation of 75dB across the frequency range of 0.5 to 40 GHz. The typical switch speed 250ns. The DC power requirement for the switch is +/-5 V/500 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.5-40		GHz
Insertion Loss@0.5-20GHz		5.5		dB
Insertion Loss@20-40GHz		7		dB
Isolation	75			dB
Input VSWR		2.5		-
Output VSWR		2.5		-
Switch Speed			250	ns
Power Handing			23	dBm
DC Current (Vdc=+/-5V)			500	mA
Control Logic TTL	Cn=0, Others=1; Path State: J0-Jn			-
Impedance		50		Ω
Input Output Connector		2.92-Female/2.92-Female		
Switch Type		Absorption		
Material		Aluminium\Gold Painting		
Weight		44g		
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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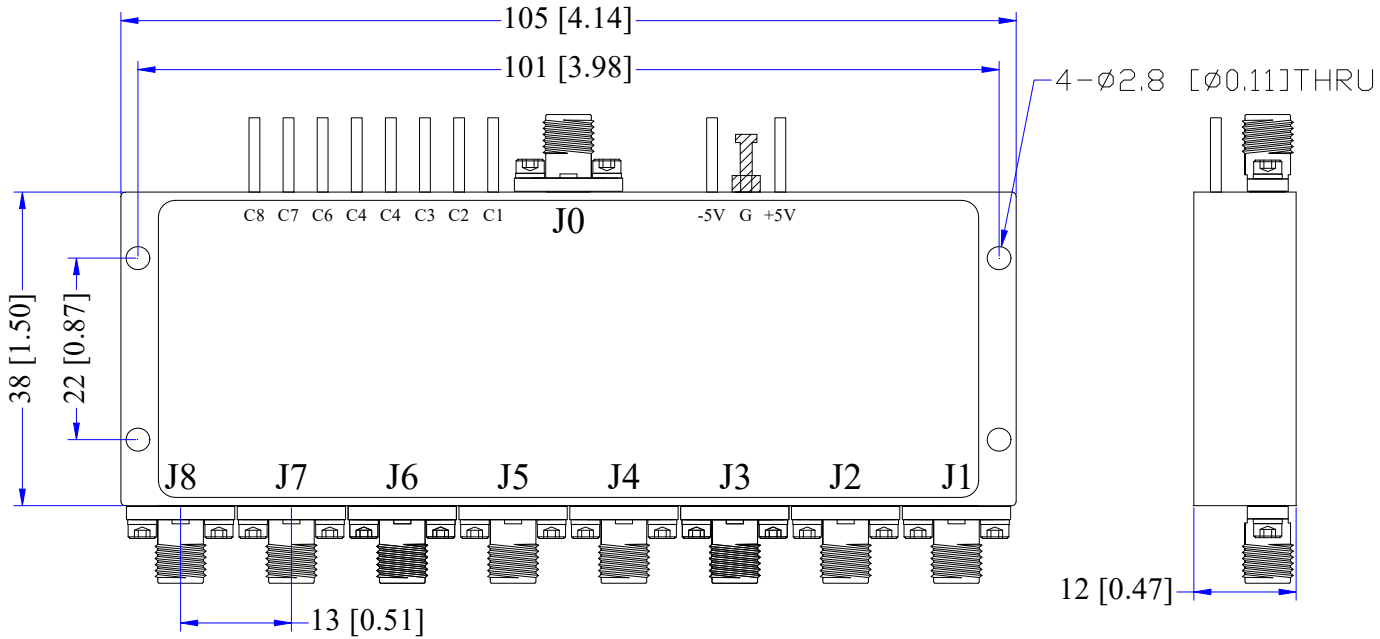
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■ Outline Drawing

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



Control Input TTL								Signal Path State
C8	C7	C6	C5	C4	C3	C2	C1	
1	1	1	1	1	1	1	0	J0-J1
1	1	1	1	1	1	0	1	J0-J2
1	1	1	1	1	0	1	1	J0-J3
1	1	1	1	0	1	1	1	J0-J4
1	1	1	0	1	1	1	1	J0-J5
1	1	0	1	1	1	1	1	J0-J6
1	0	1	1	1	1	1	1	J0-J7
0	1	1	1	1	1	1	1	J0-J8

TTL Control Voltages & VDD	
Stage	Bias Condition
VDD	+5V ($\pm 10\%$)
VEE	-5V ($\pm 10\%$)
Low(0)	0 to 0.8Vdc
High(1)	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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