

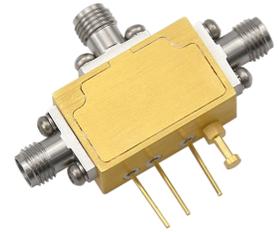
8-12GHz Broadband Switch

P/N: SPDT0812GA60R



Description:

The switch is a Broadband PIN switch with a typical Loss insertion of 1.8 dB and a high isolation of 65dB across the frequency range of 8 to 12 GHz. The typical switch speed 45ns. The DC power requirement for the switch is +5V/80 mA,-5V/-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		8-12		GHz
Insertion Loss		1.8	2.0	dB
Isolation	60	65		dB
Input VSWR			1.7	-
Output VSWR			1.7	-
Switch Speed		45	50	ns
RF Input Power			23	dBm
DC Current (Vcc=+/-5V)		80/-50		mA
Control Type		TTL		
Impedance		50		Ω
Input Output Connector		SMA-female/SMA-female		
Switch Type		Reflective		
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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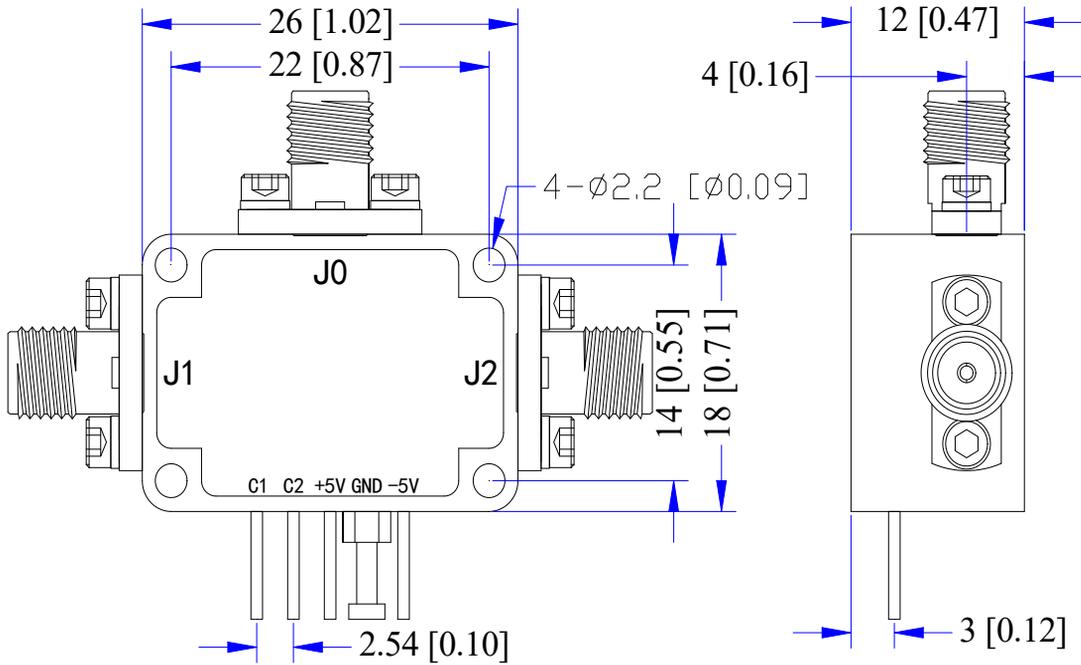
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■ Outline Drawing

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



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

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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