

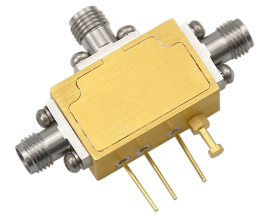
0.5-40GHz Broadband Switch

P/N: QLSPDT00540GA



Description:

The switch is a broadband PIN switch with a typical Loss insertion of 3 dB and a high isolation of 75dB across the frequency range of 0.5 to 40 GHz. The typical switch speed 60ns. 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		0.5-40		GHz
Insertion Loss		3	5	dB
Isolation	55	75		dB
Input VSWR			2.8	-
Output VSWR			2.8	-
Switch Speed		60		ns
Power Handing			23	dBm
DC Current (Vcc=+/-5V)		100		mA
Control Logic TTL		0/+5		v
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

MICZEN THCHNOLOGIES CO.,LTD.

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

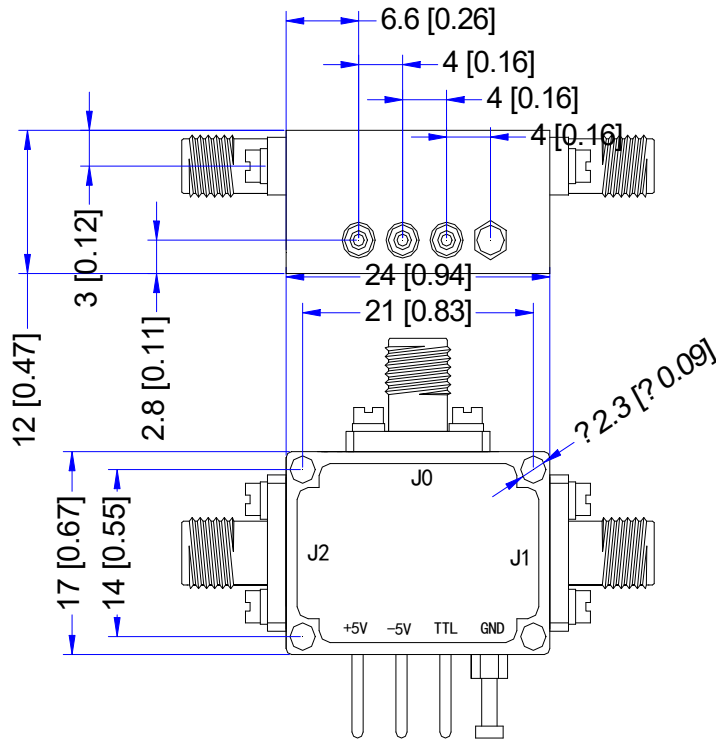
0.5-40GHz Broadband Switch

P/N: QLSPDT00540GA



■ Outline Drawing

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



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

TTL Control Voltages & VDD	
Stage	Bias Condition
VDD	+5V ($\pm 5\%$)
VEE	-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.

MICZEN THCHNOLOGIES CO.,LTD.

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