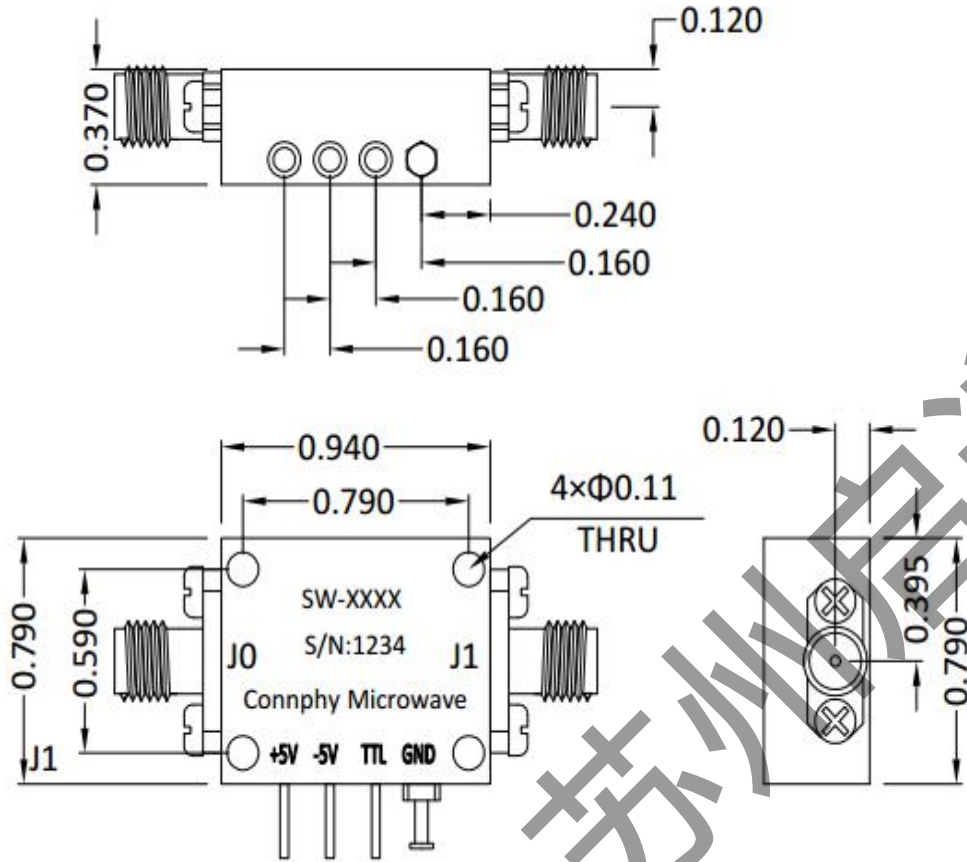


**SW-0.02G1G-01A-S** is a single pole, single throw, absorptive switch designed to operate over the 0.02 to 1.0GHz frequency range. This model is designed to handle 30dBm max input power. The switch offers fast switching speeds of 550nsec max., low insertion loss of 1.0dB and high isolation of 80dB min. The DC supplies are 50mA @ ±5 V.

### Mechanical Outline(Unit: Inch):




### Specifications:

Frequency:	0.02 to 1GHz
Insertion Loss:	0.7dB typ., 1.0dB max
Isolation:	90dB typ., 80dB min
Switching Speed:	550ns max
Power Handling:	30dBm max
VSWR:	1.3typ., 1.5:1 max
Voltage/Current:	50mA @ ±5 V typical
Control logic:	TTL (0: on; 1: off)
Connectors:	SMA Female
Type:	Absorptive

### Environmental Ratings:

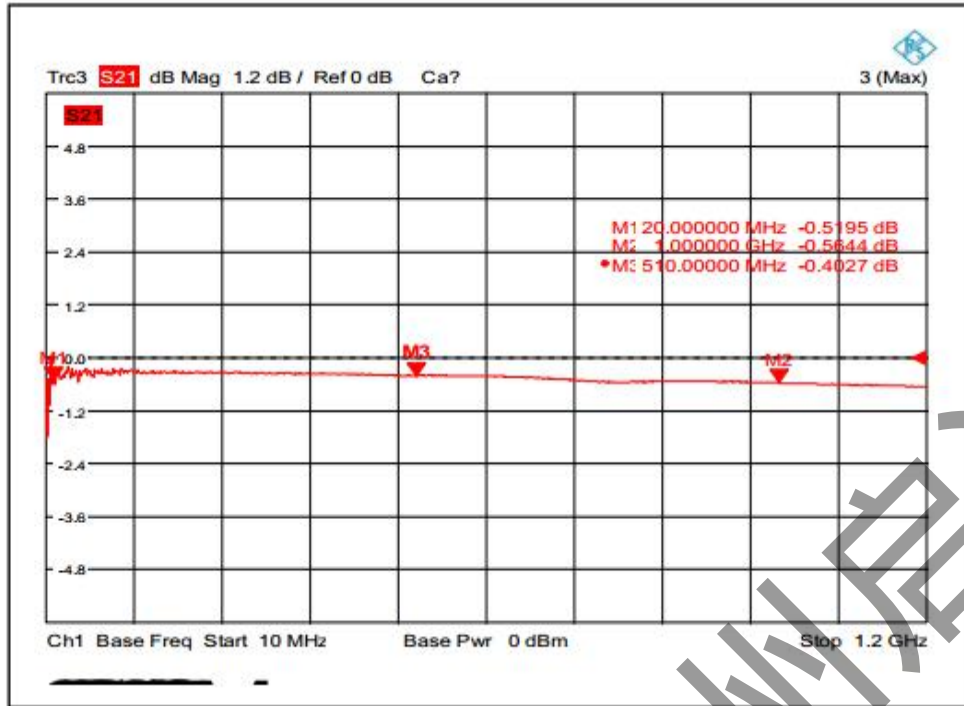
Temperature:	-25°C to +71 °C Operating -65 °C to +100 °C Non-Operating
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A

### Pin Diode Switch SW-0.02G1G-01A-S

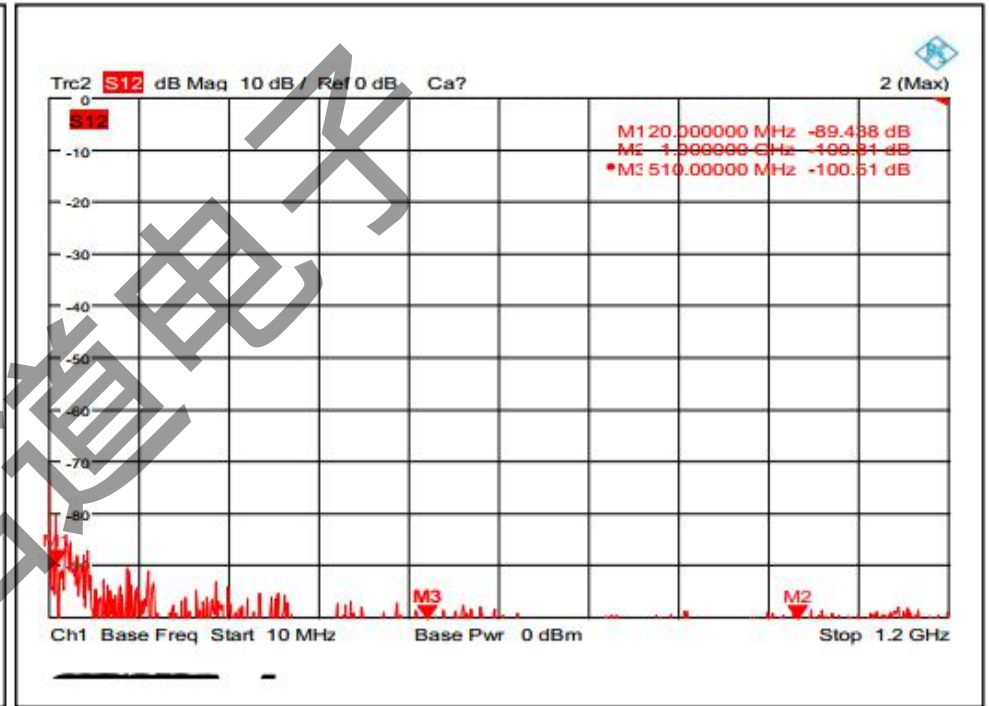
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@qiidao.com">sales@qiidao.com</a>
CHECKRD:	DATE: 20/05/16	SHEET : 1 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

**SW-0.02G1G-01A-S** is a single pole, single throw, absorptive switch designed to operate over the 0.02 to 1.0GHz frequency range. This model is designed to handle 30dBm max input power. The switch offers fast switching speeds of 550nsec max., low insertion loss of 1.0dB and high isolation of 80dB min. The DC supplies are 50mA @  $\pm 5$  V.


**Typical Performance:**



**Insertion Loss**

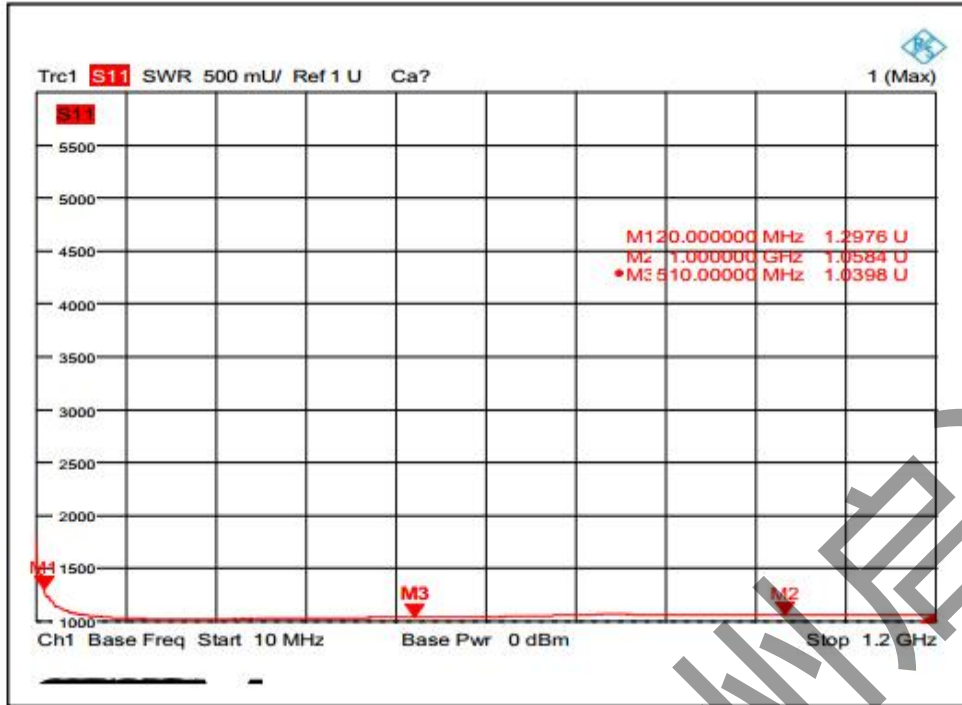


**Isolation**

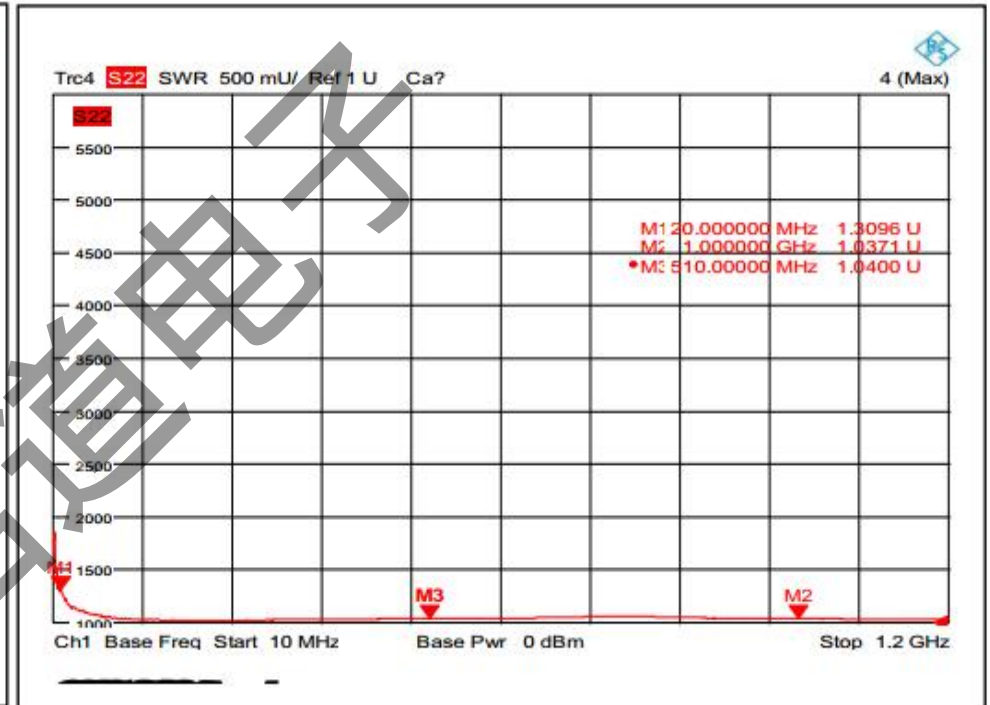
Pin Diode Switch SW-0.02G1G-01A-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@qiidao.com">sales@qiidao.com</a>
CHECKRD:	DATE: 20/05/16	SHEET : 2 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

**SW-0.02G1G-01A-S** is a single pole, single throw, absorptive switch designed to operate over the 0.02 to 1.0GHz frequency range. This model is designed to handle 30dBm max input power. The switch offers fast switching speeds of 550nsec max., low insertion loss of 1.0dB and high isolation of 80dB min. The DC supplies are 50mA @  $\pm 5$  V.


**Typical Performance:**



**Input VSWR**



**Output VSWR**

Pin Diode Switch SW-0.02G1G-01A-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@qiidao.com">sales@qiidao.com</a>
CHECKRD:	DATE: 20/05/16	SHEET : 3 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.