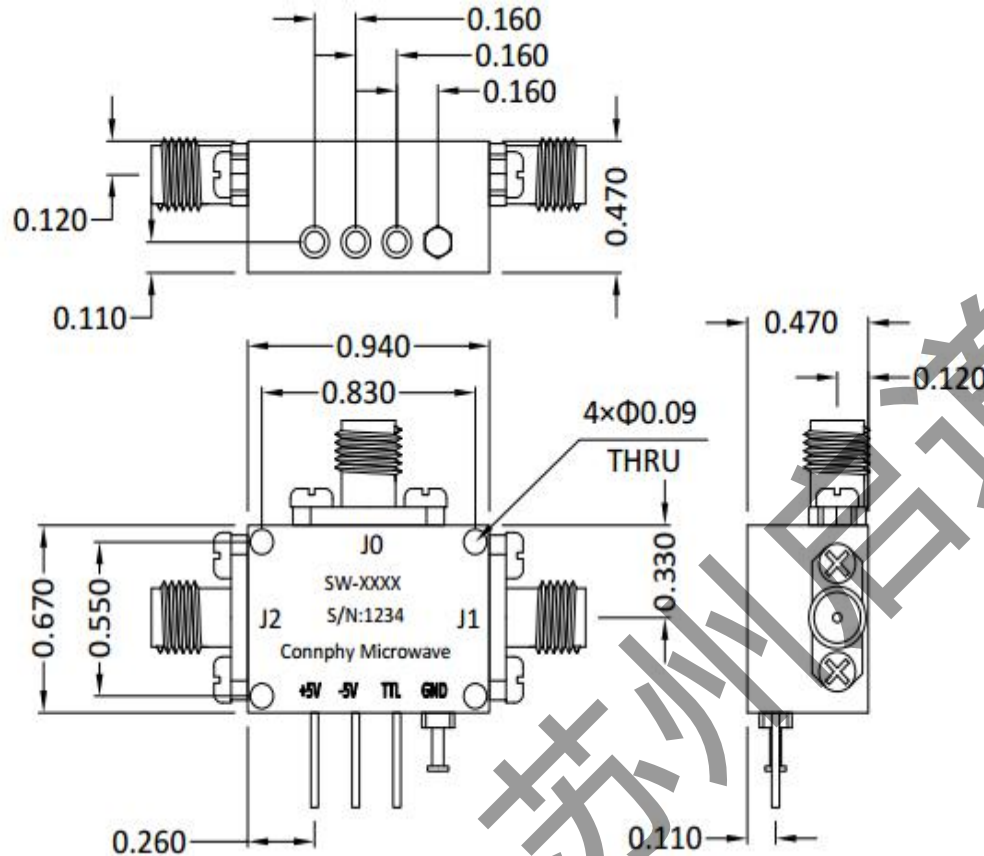


**SW-0.5G40G-2A-K** is a single pole, two throw, absorptive switch designed to operate over the 0.5 to 40.0 GHz frequency range. This model is designed to handle 23dBm typ. input power. The switch offers fast switching speeds of 60nsec max., low insertion loss of 3.0dB typ. and high isolation of 55dB min. The DC supplies are 100mA @  $\pm 5$  V.

## Mechanical Outline(Unit: Inch):




## Specifications:

Frequency:	0.5 to 40.0GHz
Insertion Loss:	3.0dB typ. 5.0dB max
Isolation:	75dB typ. 55dB min
Switching Speed:	60ns max
Power Handling:	23dBm max
VSWR:	2.8:1 max
Voltage/Current:	100mA @ $\pm 5$ V typical
Control logic:	TTL (0: J0-J2; 1: J0-J1)
Connectors:	2.92 Female
Type:	Absorptive

## Environmental Ratings:

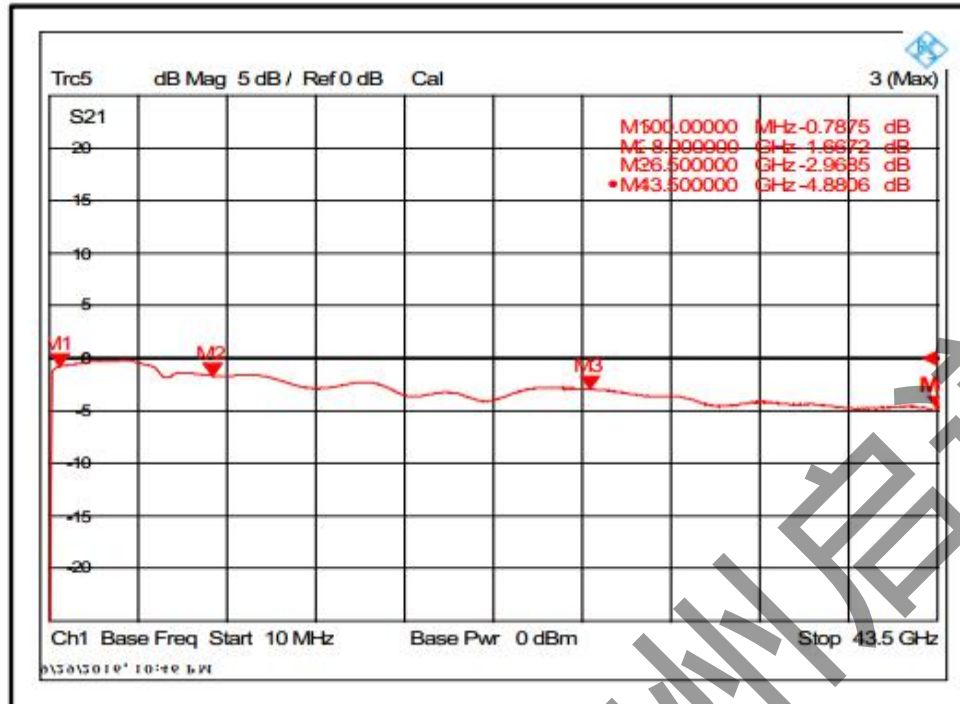
Temperature:	-25°C to +71 °C Operating -65 °C to +100 °C Non-Operating
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A

## Pin Diode Switch SW-0.5G40G-2A-K

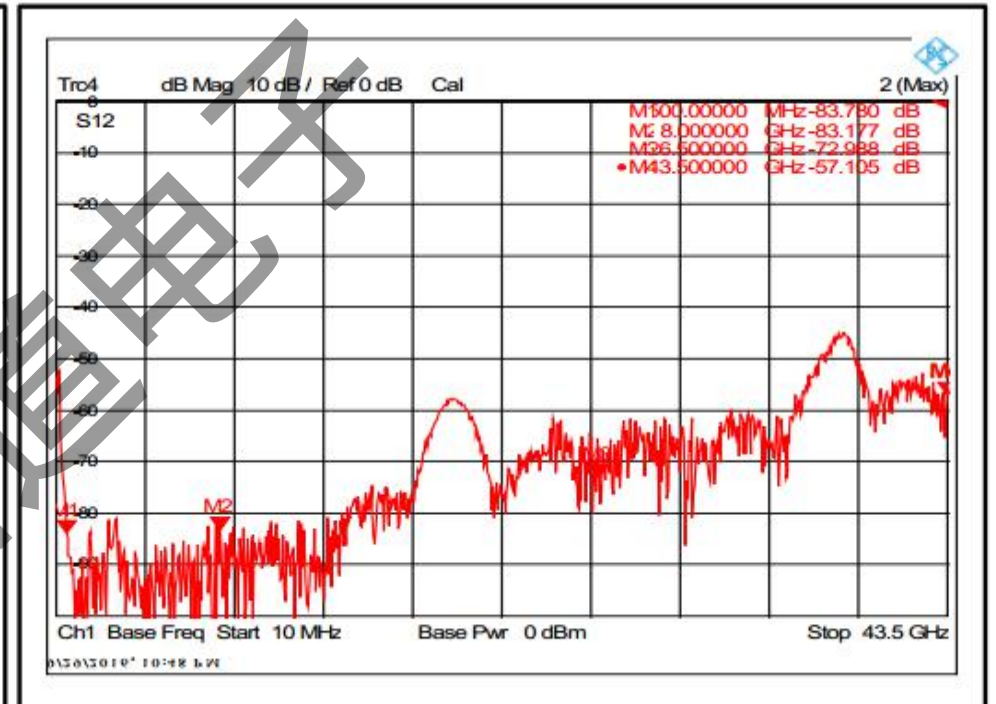
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@qiidao.com">sales@qiidao.com</a>
CHECKRD:	DATE: 20/05/16	SHEET : 1 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

**SW-0.5G40G-2A-K** is a single pole, two throw, absorptive switch designed to operate over the 0.5 to 40.0 GHz frequency range. This model is designed to handle 23dBm typ. input power. The switch offers fast switching speeds of 60nsec max., low insertion loss of 3.0dB typ. and high isolation of 55dB min. The DC supplies are 100mA @  $\pm 5$  V.

### Typical Performance:



Insertion Loss

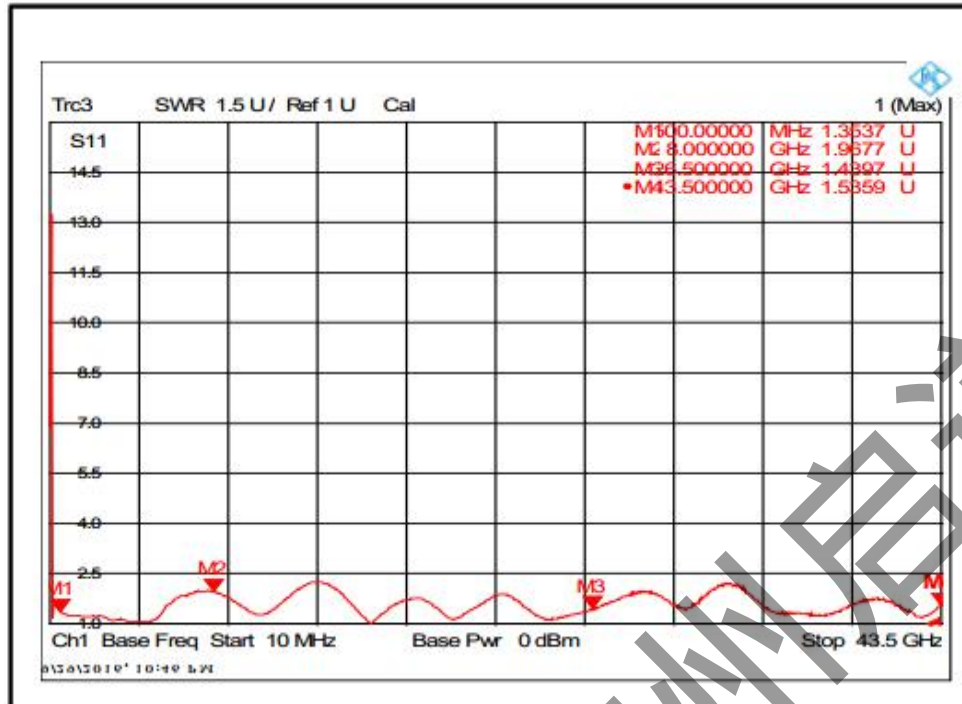


Isolation

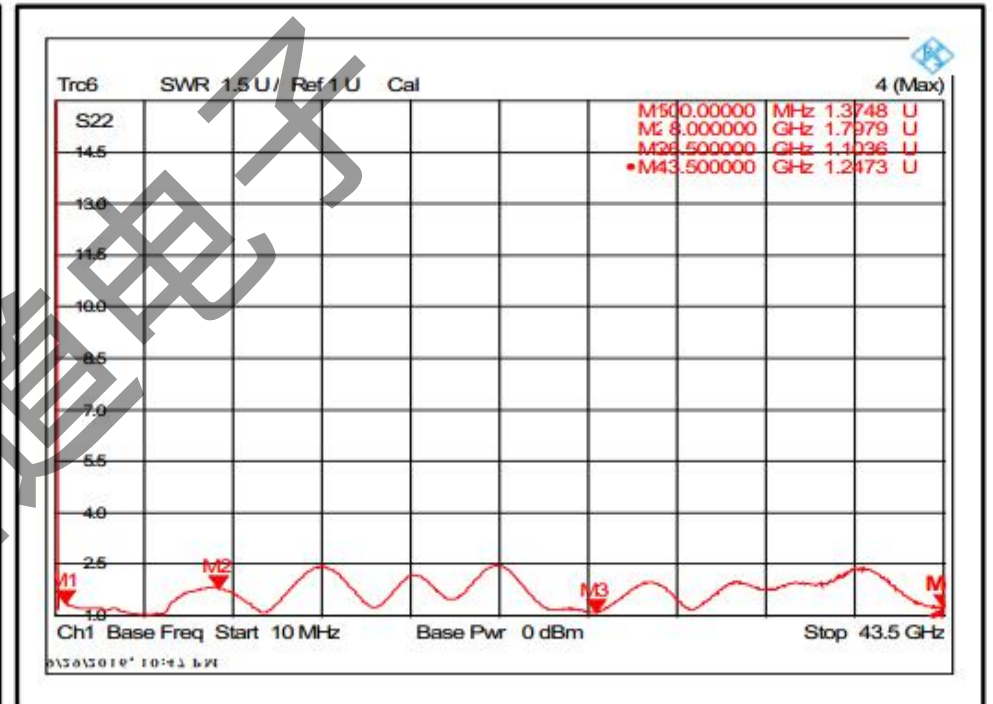
Pin Diode Switch SW-0.5G40G-2A-K			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	<b>CONNPHY</b> <b>Microwave Inc.</b> <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@qiidao.com">sales@qiidao.com</a>
CHECKRD:	DATE: 20/05/16	SHEET : 2 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

**SW-0.5G40G-2A-K** is a single pole, two throw, absorptive switch designed to operate over the 0.5 to 40.0 GHz frequency range. This model is designed to handle 23dBm typ. input power. The switch offers fast switching speeds of 60nsec max., low insertion loss of 3.0dB typ. and high isolation of 55dB min. The DC supplies are 100mA @  $\pm 5$  V.

### Typical Performance:



Input VSWR



Output VSWR

Pin Diode Switch SW-0.5G40G-2A-K			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	<b>CONNPHY</b> Microwave Inc. <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.