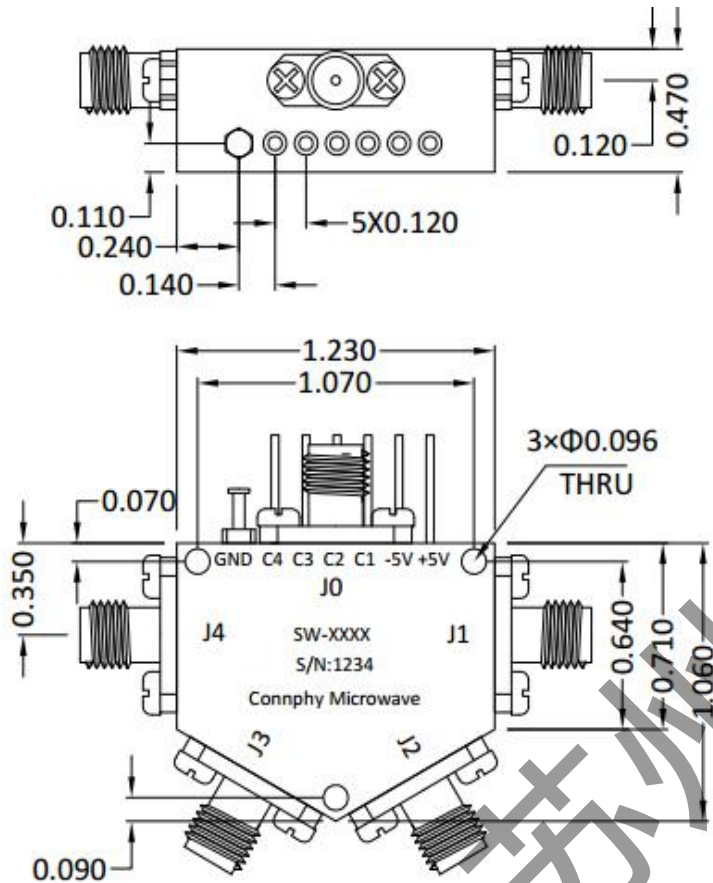


**SW-0.5G40G-4A-K** is a single pole, four throw, absorptive switch designed to operate over the 0.5 to 40.0GHz frequency range. This model is designed to handle 23dBm max input power. The switch offers fast switching speeds of 80nsec max., low insertion loss of 4.0dB typ. and high isolation of 45dB min. The DC supplies are 150mA @  $\pm 5$  V.

### Mechanical Outline(Unit: Inch):



### Specifications:

Frequency:	0.5 to 40.0GHz
Insertion Loss:	4.0dB typ. 6.0dB max
Isolation:	70dB typ. 45dB min
Switching Speed:	80ns max
Power Handling:	23dBm max
VSWR:	3.0:1 max
Voltage/Current:	150mA @ $\pm 5$ V typical
Connectors:	2.92 Female
Type:	Absorptive
Control logic:	TTL
TTL Truth Table:	Cn=0, Others=1; Path State: J0-Jn

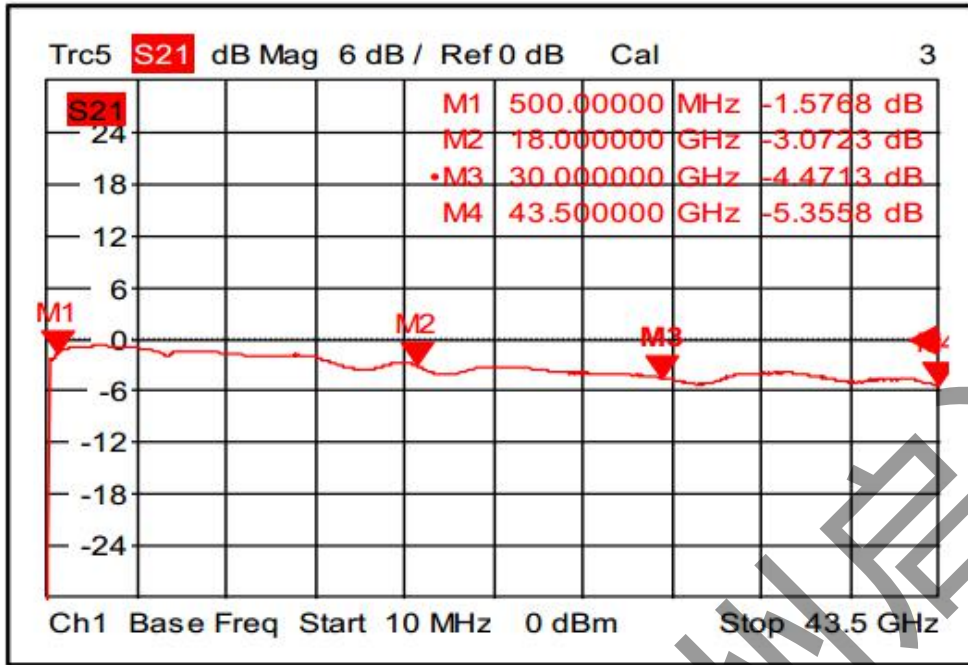
### Environmental Ratings:

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

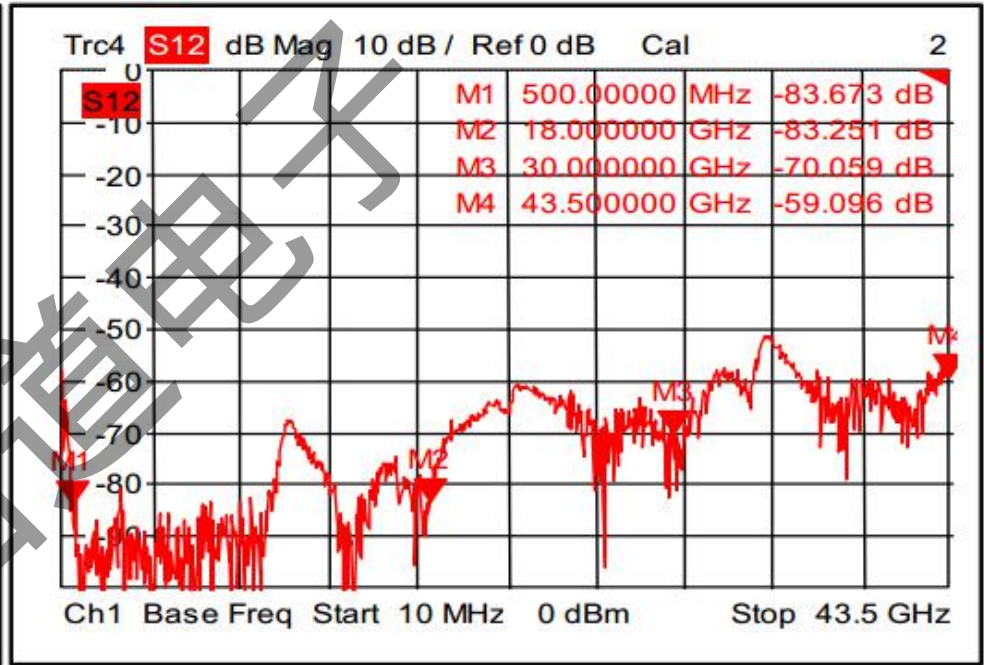
Pin Diode Switch SW-0.5G40G-4A-K			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <b>CONNPHY</b> Microwave Inc. <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@qiidao.com">sales@qiidao.com</a>
CHECKRD:	DATE: 20/05/16	SHEET : 1 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

**SW-0.5G40G-4A-K** is a single pole, four throw, absorptive switch designed to operate over the 0.5 to 40.0GHz frequency range. This model is designed to handle 23dBm max input power. The switch offers fast switching speeds of 80nsec max., low insertion loss of 4.0dB typ. and high isolation of 45dB min. The DC supplies are 150mA @ ±5 V.

**Typical Performance:**



**Insertion Loss**

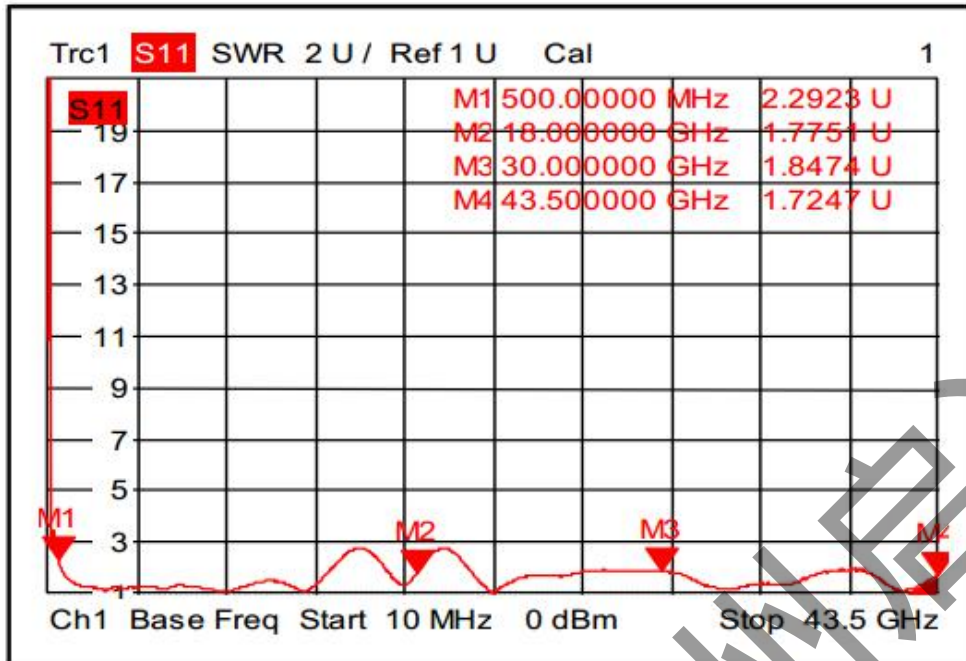


**Isolation**

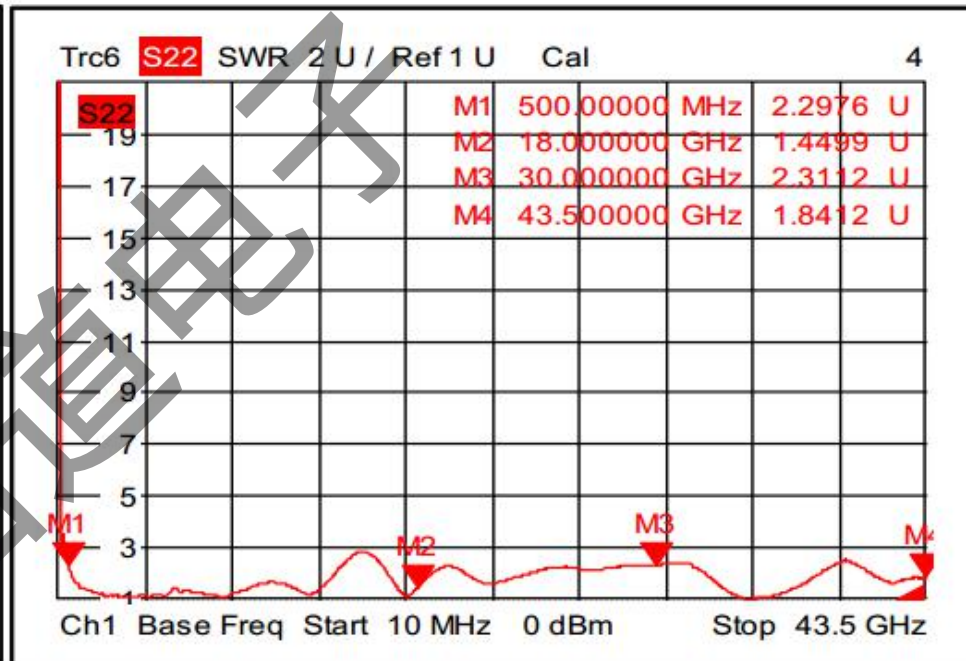
Pin Diode Switch SW-0.5G40G-4A-K			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@qiidao.com">sales@qiidao.com</a>
CHECKRD:	DATE: 20/05/16	SHEET : 2 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

**SW-0.5G40G-4A-K** is a single pole, four throw, absorptive switch designed to operate over the 0.5 to 40.0GHz frequency range. This model is designed to handle 23dBm max input power. The switch offers fast switching speeds of 80nsec max., low insertion loss of 4.0dB typ. and high isolation of 45dB min. The DC supplies are 150mA @ ±5 V.

**Typical Performance:**



**Input VSWR**



**Output VSWR**

Pin Diode Switch SW-0.5G40G-4A-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 : 3 OF 3	
ISSUED:	SIZE: A	SCALE : N/A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.