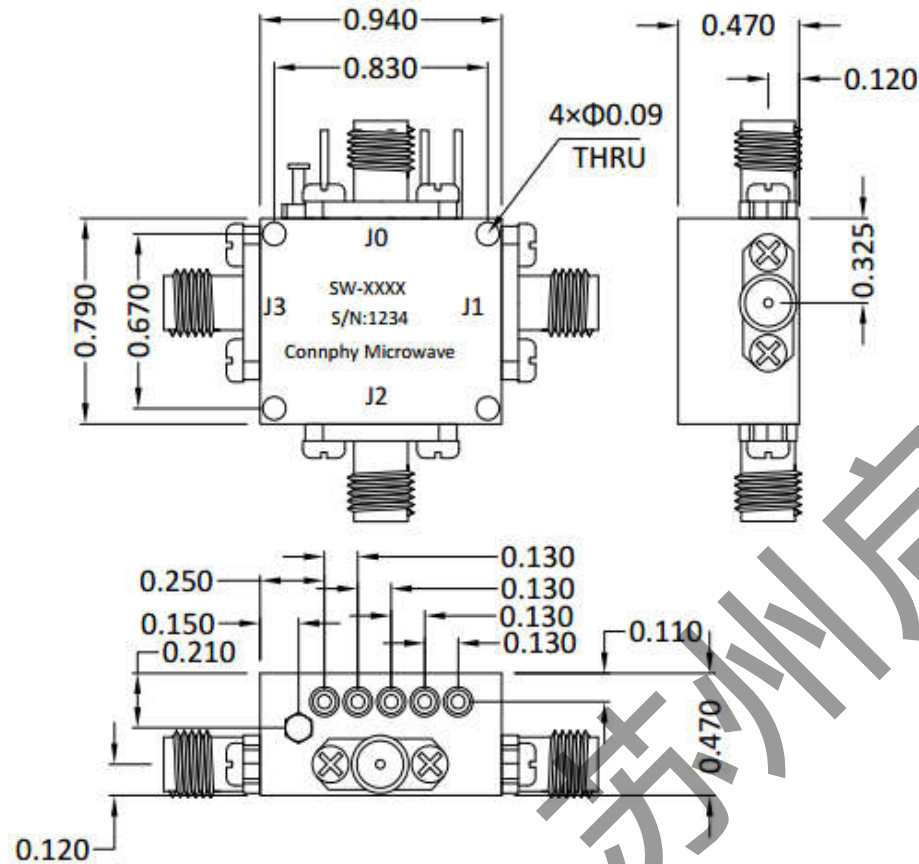


**SW-0.5G40G-3A-K** is a single pole, three throw, absorptive switch designed to operate over the 0.5 to 40.0GHz frequency range. This model is designed to handle 23dBm max input power. The switch offers fast switching speeds of 50nsec max., low insertion loss of 4.5dB typ. and high isolation of 55dB min. The DC supplies are 110mA @ ±5 V.

### Mechanical Outline(Unit: Inch):



### Specifications:

Frequency:	0.5 to 40.0GHz
Insertion Loss:	4.0dB typ. 5.2dB max
Isolation:	75dB typ. 55dB min
Switching Speed:	50ns max
Power Handling:	23dBm max
VSWR:	2.5:1 max
Voltage/Current:	110mA @ ±5 V typical
Connectors:	2.92 Female
Type:	Absorptive
Control logic:	TTL
TTL Truth Table:	Cn=0, Others=1; Path State: J0-Jn

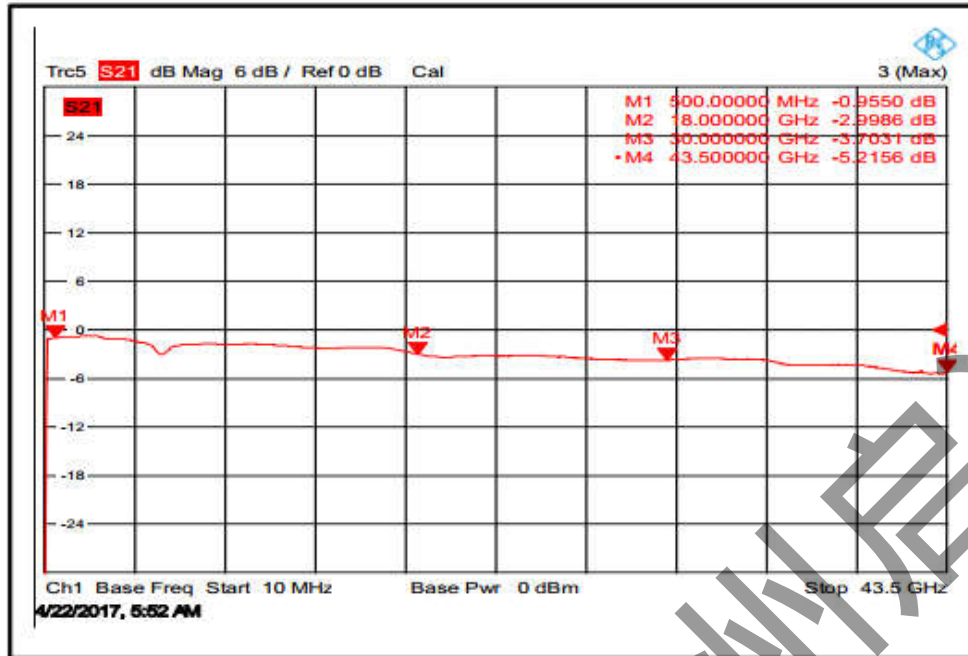
### Environmental Ratings:

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
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A

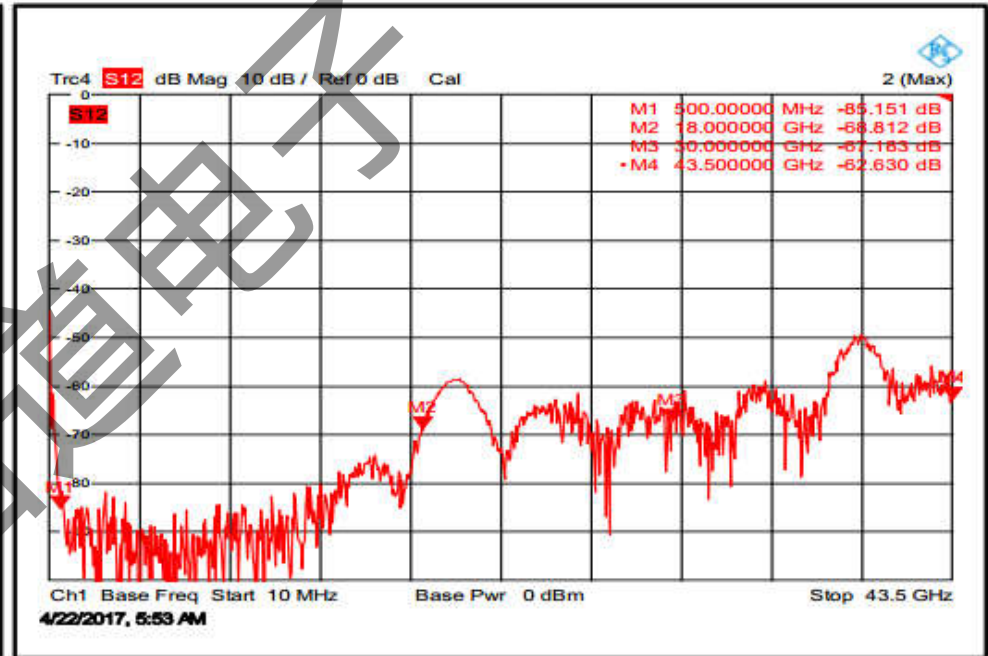
Pin Diode Switch SW-0.5G40G-3A-K			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@qiidao.com">sales@qiidao.com</a>
CHECKRD:	DATE: 20/05/16	SHEET : 1 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

**SW-0.5G40G-3A-K** is a single pole, three 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 50nsec max., low insertion loss of 4.5dB typ. and high isolation of 55dB min. The DC supplies are 110mA @ ±5 V.


### Typical Performance:



Insertion Loss

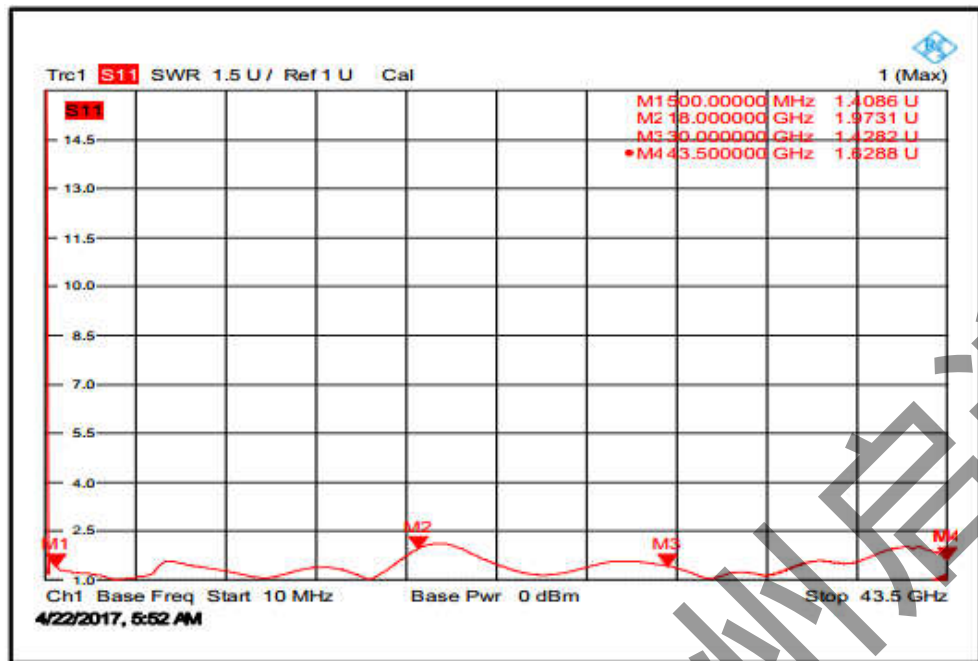


Isolation

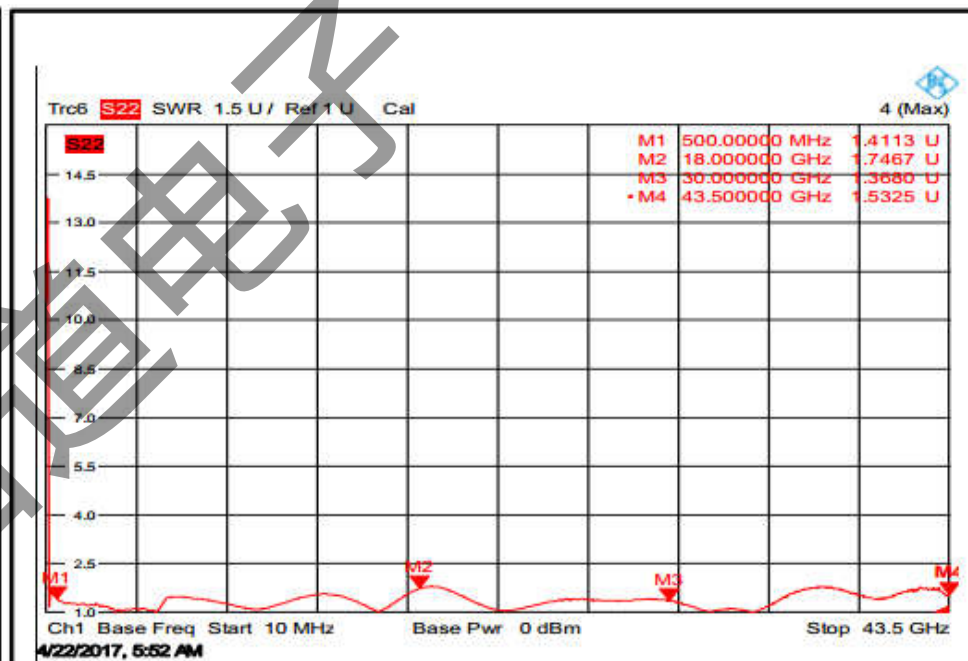
Pin Diode Switch			 <b>CONNPHY</b> Microwave Inc. <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@qiidao.com">sales@qiidao.com</a>
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	
CHECKRD:	DATE: 20/05/16	SHEET : 2 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT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

**SW-0.5G40G-3A-K** is a single pole, three 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 50nsec max., low insertion loss of 4.5dB typ. and high isolation of 55dB min. The DC supplies are 110mA @ ±5 V.

### Typical Performance:



Input VSWR



Output VSWR

Pin Diode Switch SW-0.5G40G-3A-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.