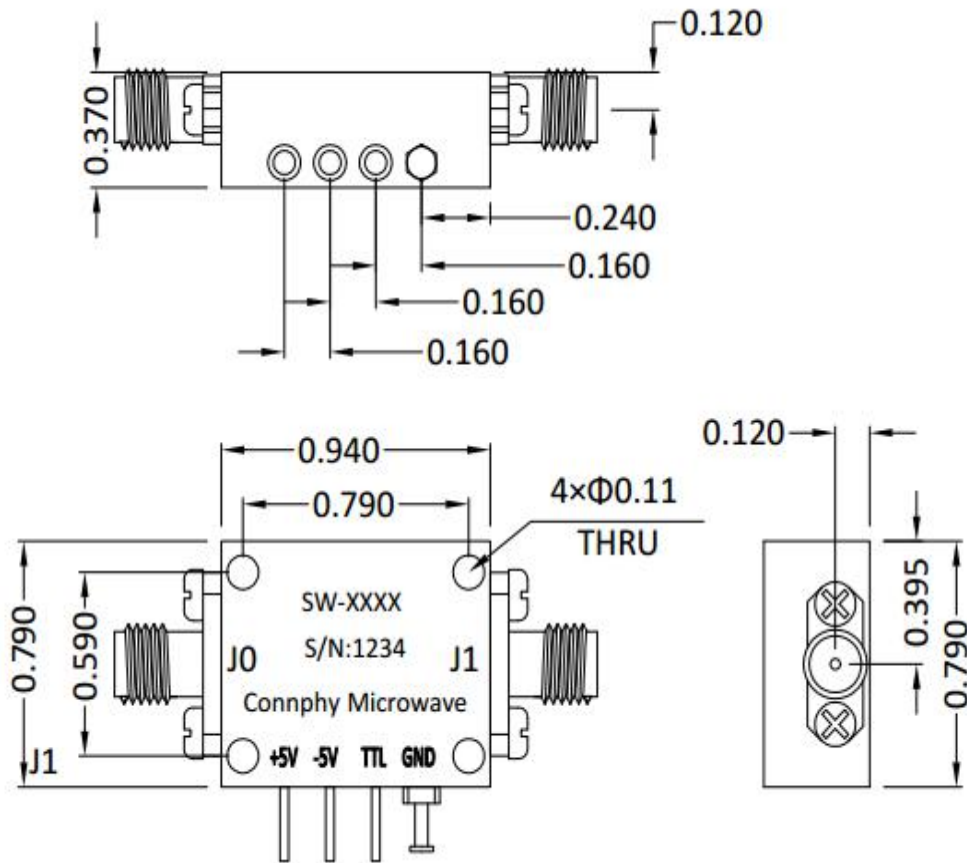


SW-0.5G40G-01A-K is a single pole, single throw, absorptive switch designed to operate over the 0.5 to 40.0GHz frequency range. This model is designed to handle 23dBm typ. input power. The switch offers fast switching speeds of 100nsec max., low insertion loss of 3.0 typ., and high isolation of 50dB min. The DC supplies are 50mA @ ±5 V.

Mechanical Outline(Unit: Inch):



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

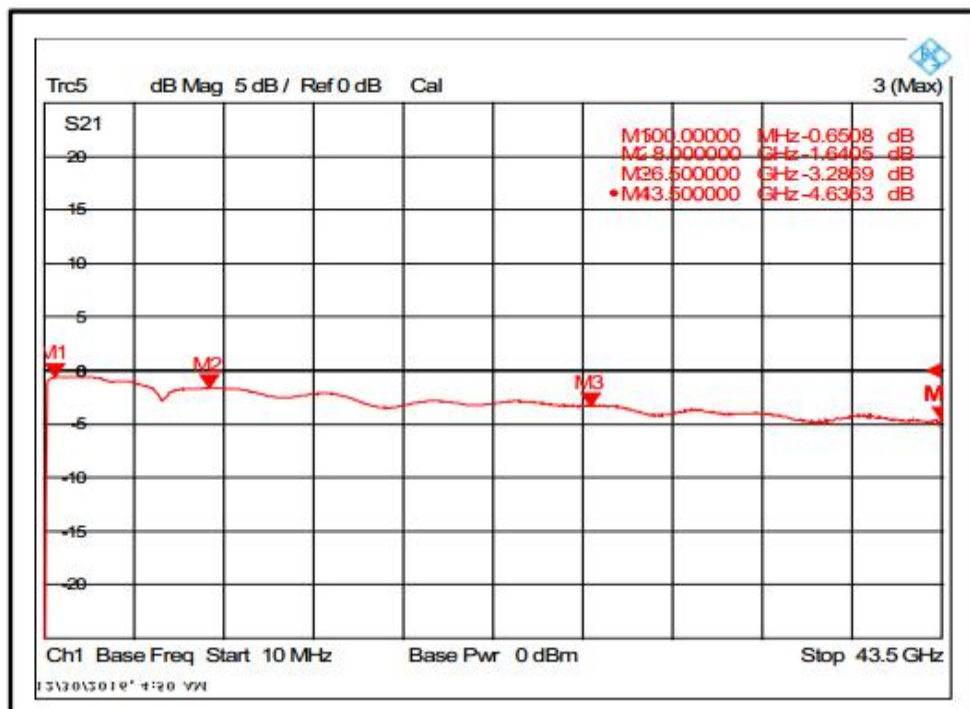
Specifications:

Frequency: 0.5 to 40.0GHz
 Insertion Loss: 3.0dB typ.
 5.2dB max
 Isolation: 80dB typ.
 50dB min
 Switching Speed: 100ns max
 Power Handling: 23dBm typ.
 VSWR: 3.0 max @8G
 2.5 max @8-40G
 Voltage/Current: 50mA @ ±5 V typical
 Control logic: TTL (0: off; 1: on)
 Connectors: 2.92 Female
 Type: Absorptive

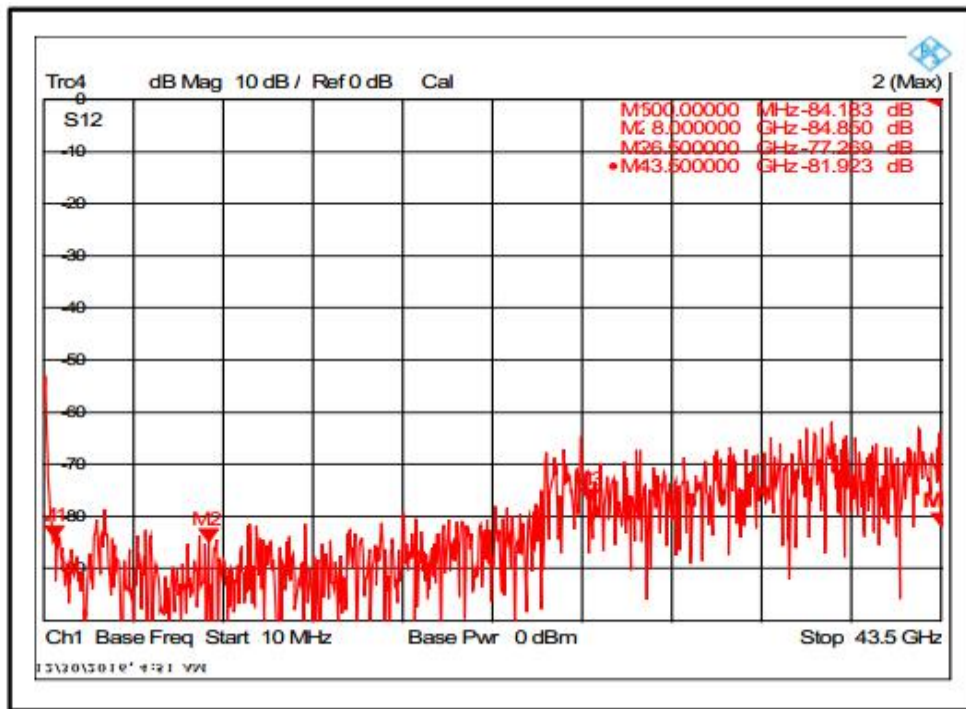
Pin Diode Switch SW-0.5G40G-01A-K			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 20/05/16	SHEET : 1 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SW-0.5G40G-01A-K is a single pole, single throw, absorptive switch designed to operate over the 0.5 to 40.0GHz frequency range. This model is designed to handle 23dBm typ. input power. The switch offers fast switching speeds of 100nsec max., low insertion loss of 3.0 typ., and high isolation of 50dB min. The DC supplies are 50mA @ ± 5 V.

Typical Performance:



Insertion Loss

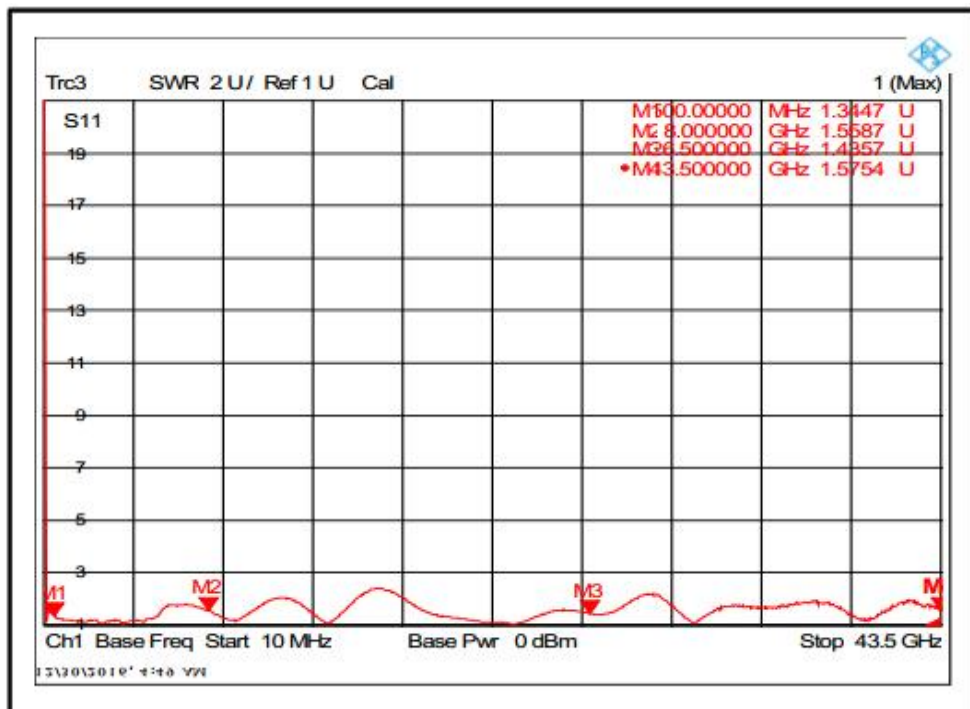


Isolation

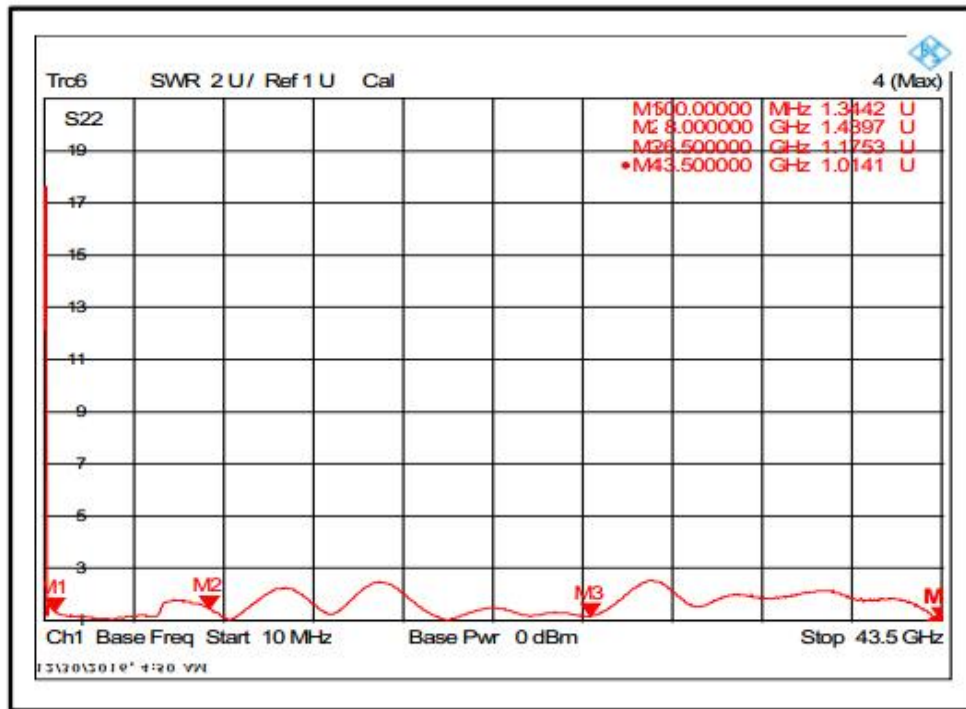
Pin Diode Switch SW-0.5G40G-01A-K			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 20/05/16	SHEET : 2 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SW-0.5G40G-01A-K is a single pole, single throw, absorptive switch designed to operate over the 0.5 to 40.0GHz frequency range. This model is designed to handle 23dBm typ. input power. The switch offers fast switching speeds of 100nsec max., low insertion loss of 3.0 typ., and high isolation of 50dB min. The DC supplies are 50mA @ ± 5 V.


Typical Performance:



Input VSWR



Output VSWR

Pin Diode Switch SW-0.5G40G-01A-K			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 20/05/16	SHEET : 3 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.