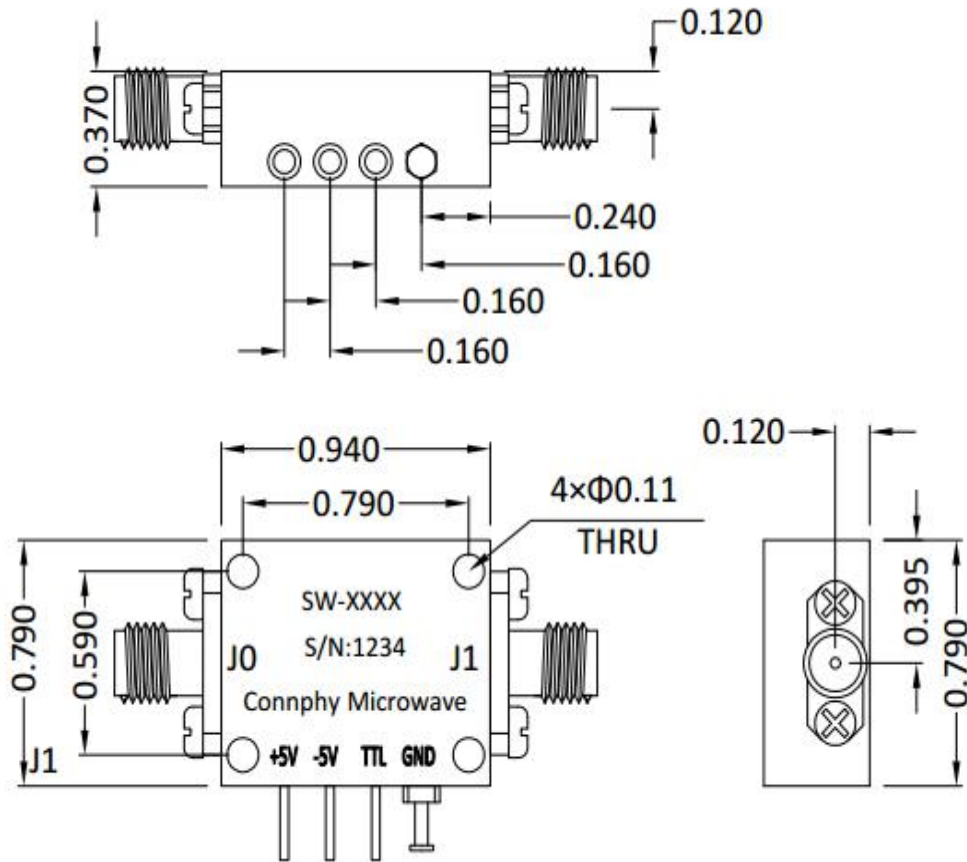


SW-0.02G1G-01A-S is a single pole, single throw, absorptive switch designed to operate over the 0.02 to 1.0GHz frequency range. This model is designed to handle 30dBm max input power. The switch offers fast switching speeds of 550nsec max., low insertion loss of 1.0dB and high isolation of 80dB min.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

Mechanical Outline(Unit: Inch):



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

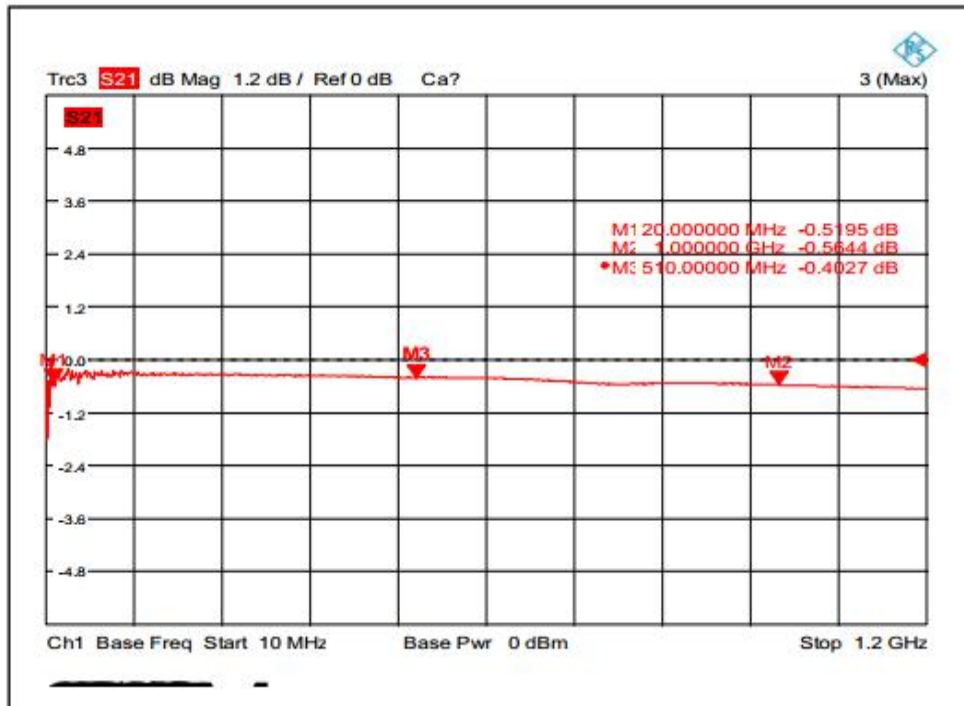
Specifications:

Frequency: 0.02 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

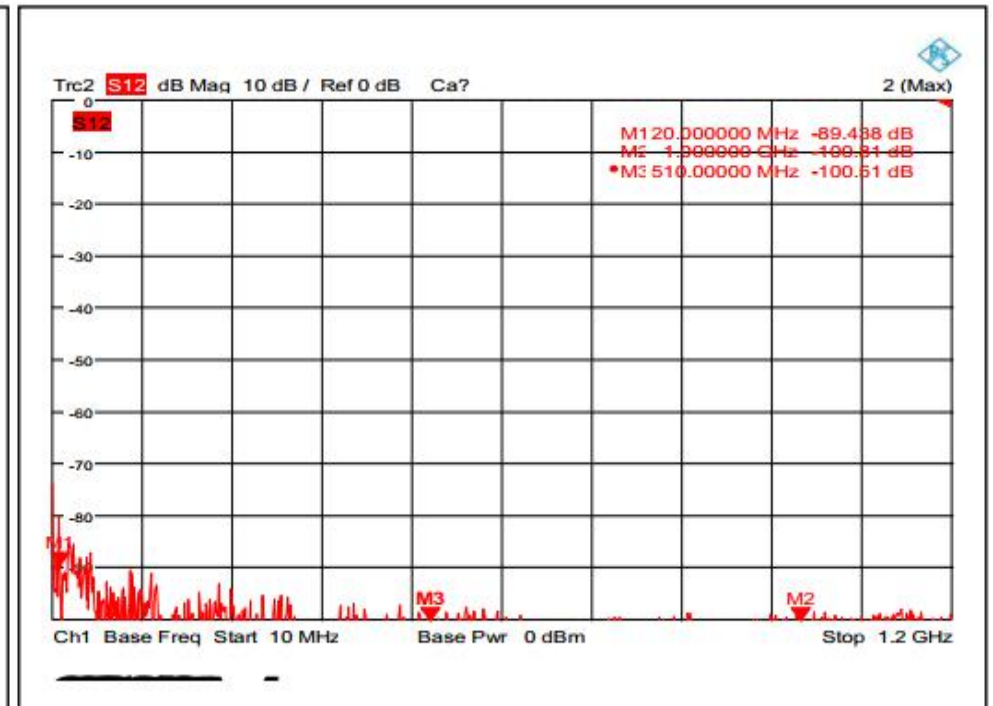
Pin Diode Switch SW-0.02G1G-01A-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 20/05/16	SHEET : 1 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SW-0.02G1G-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.


Typical Performance:



Insertion Loss

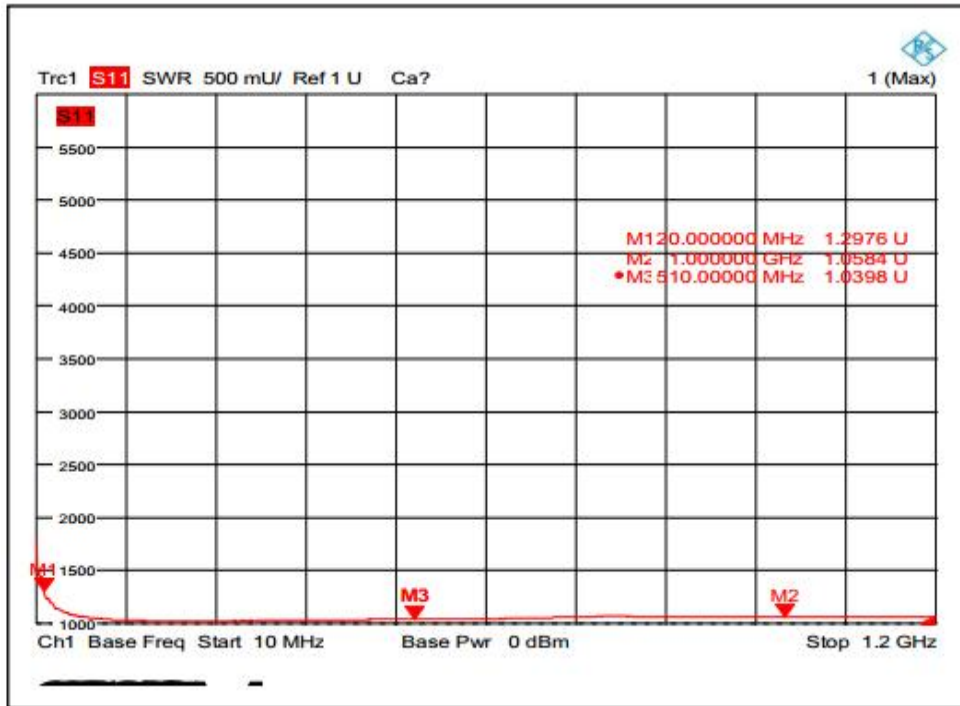


Isolation

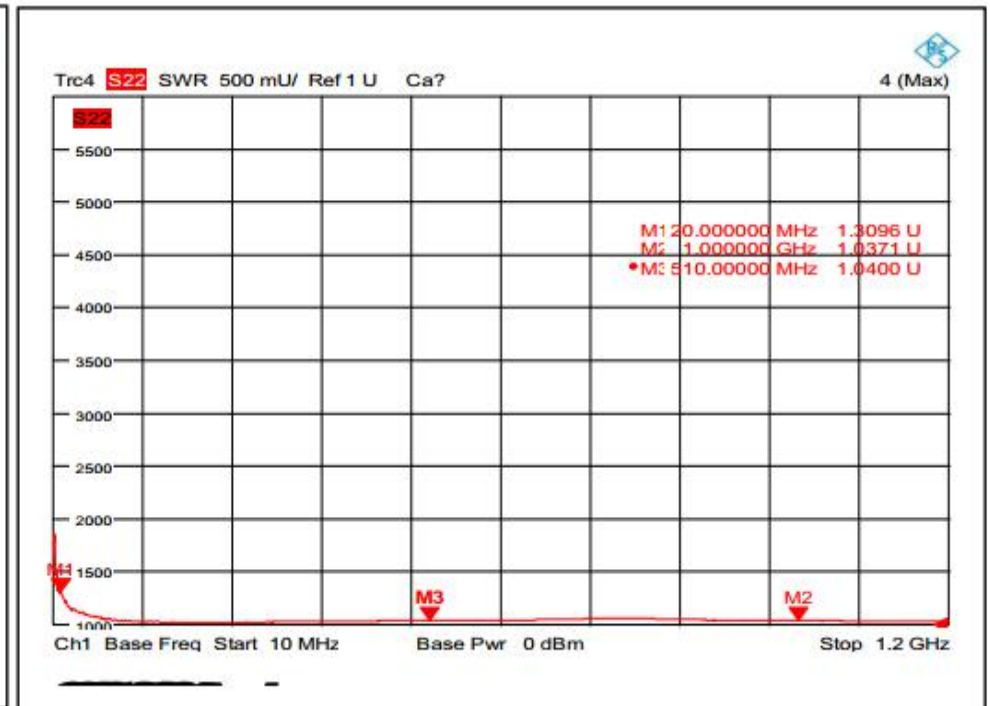
Pin Diode Switch SW-0.02G1G-01A-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 20/05/16	SHEET : 2 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SW-0.02G1G-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.


Typical Performance:



Input VSWR



Output VSWR

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