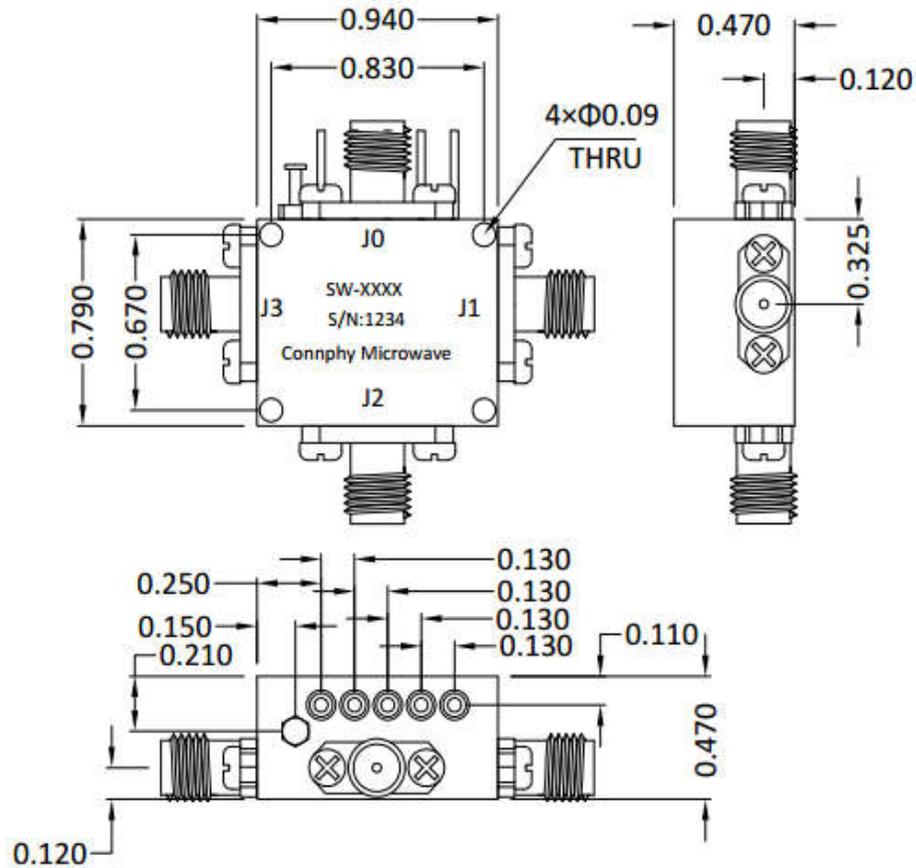


SW-0.5G40G-3A-K is a single pole, three throw, absorptive switch designed to operate over the 0.5 to 40.0GHz frequency range. This model is designed to handle 23dBm max input power. The switch offers fast switching speeds of 50nsec max., low insertion loss of 4.5dB typ. and high isolation of 55dB min.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

Mechanical Outline(Unit: Inch):



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: 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

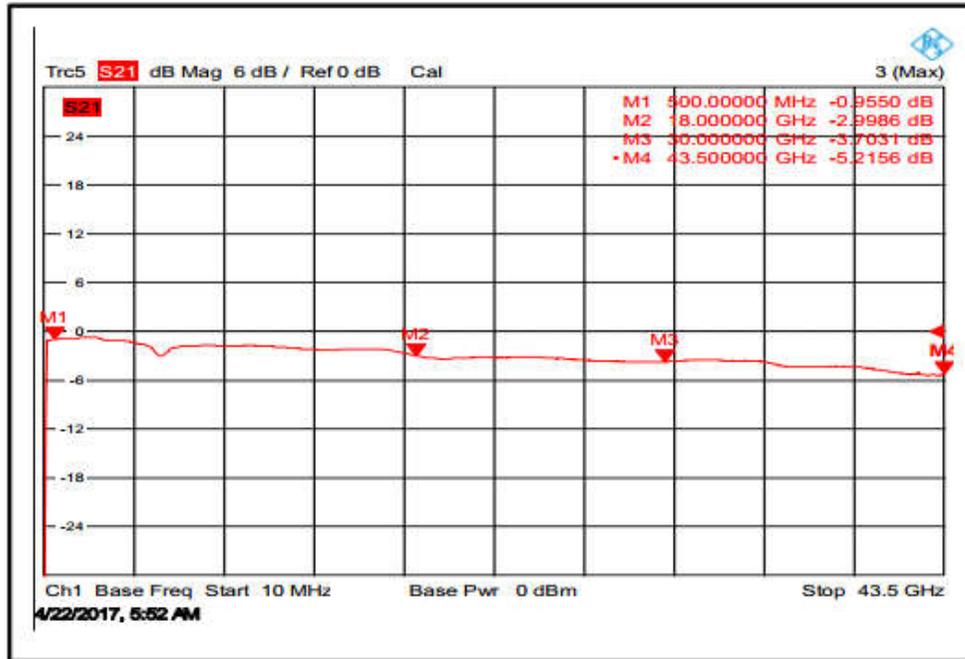
Control logic: TTL

TTL Truth Table: Cn=0, Others=1;
 Path State: J0-Jn

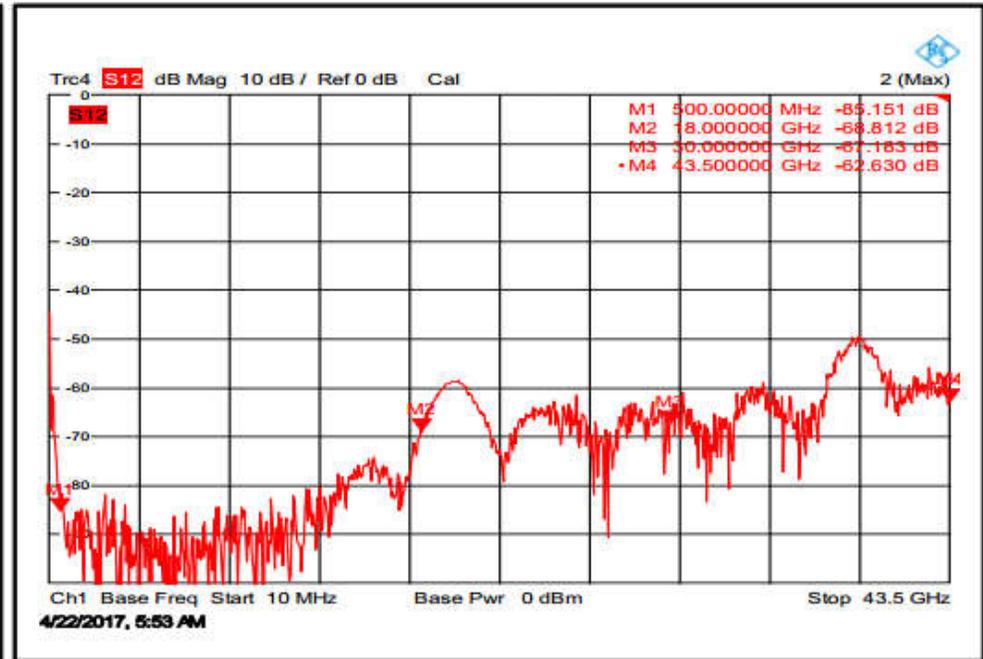
Pin Diode Switch SW-0.5G40G-3A-K			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 20/05/16	SHEET : 1 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SW-0.5G40G-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

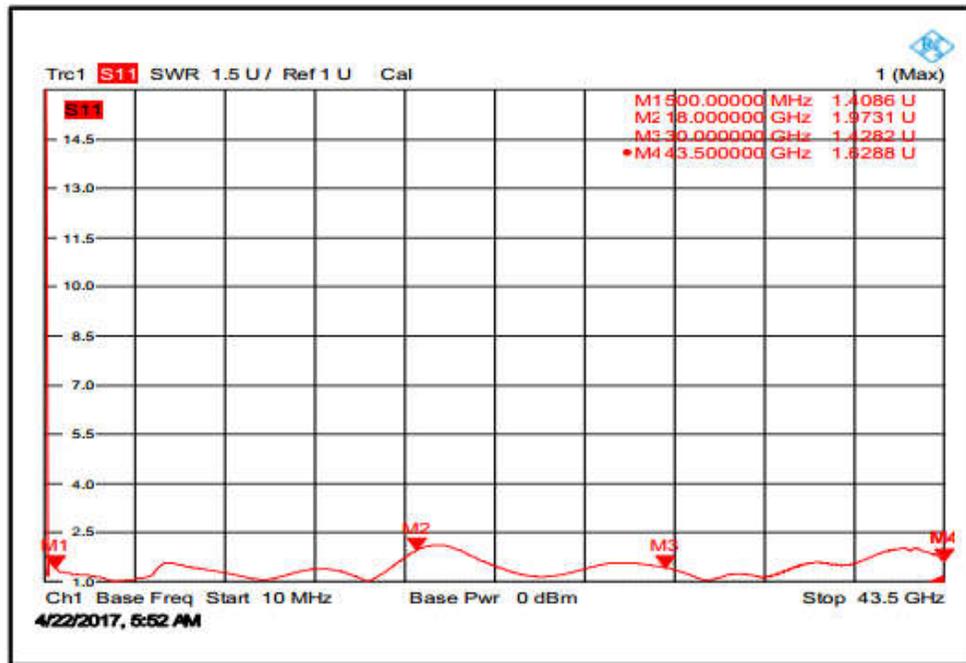


Isolation

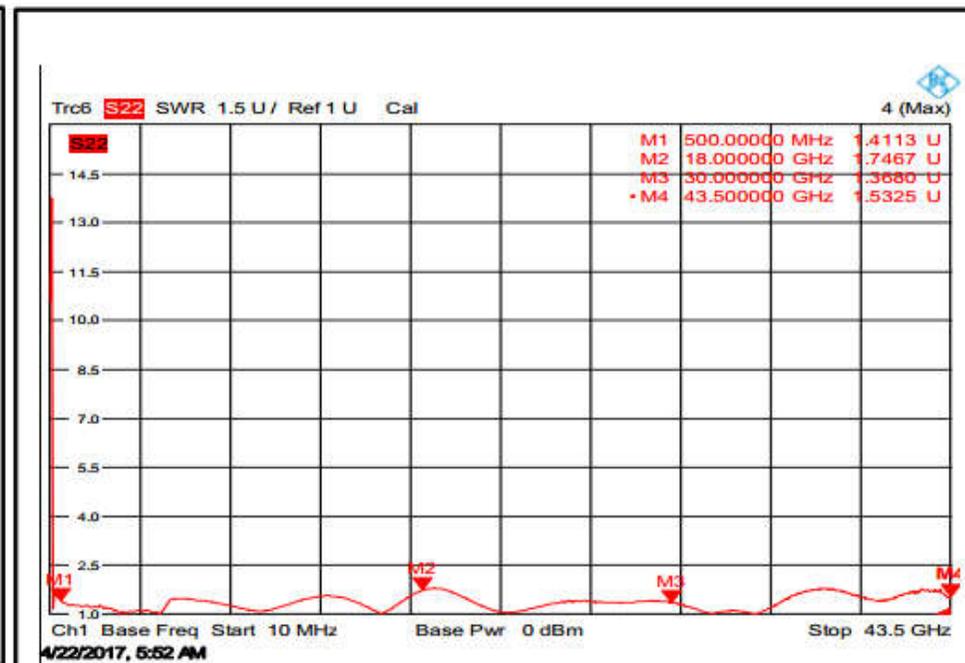
Pin Diode Switch SW-0.5G40G-3A-K			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 20/05/16	SHEET : 2 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SW-0.5G40G-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	 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.