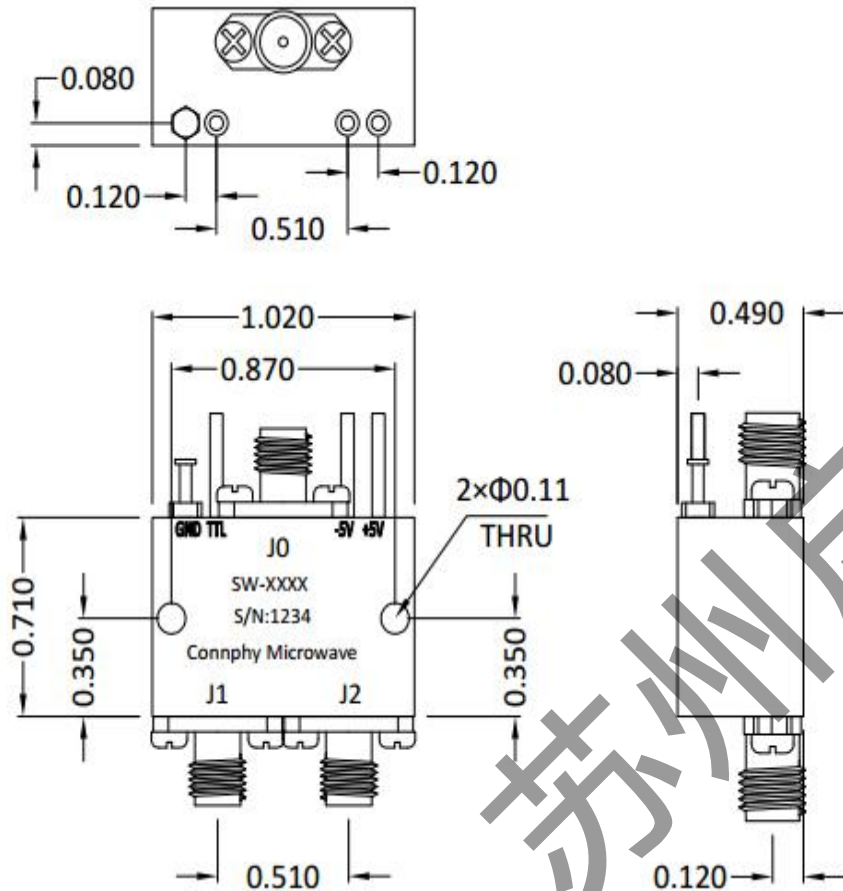


SW-1G18G-2A-S is a single pole, two throw, absorptive switch designed to operate over the 1 to 18 GHz frequency range. This model is designed to handle 30dBm typ. input power. The switch offers fast switching speeds of 100nsec max., low insertion loss of 1.8dB typ. and high isolation of 60dB min. The DC supplies are 80mA @ ±5 V.

Mechanical Outline(Unit: Inch):



Specifications:

Frequency:	1.0 to 18.0GHz
Insertion Loss:	1.8dB typ. 3.0dB max
Isolation:	80dB typ. 60dB min
Switching Speed:	100ns max
Power Handling:	30dBm max
VSWR:	2.0:1 max
Voltage/Current:	80mA @ ±5V typical
Control logic:	TTL (0: J0-J2; 1: J0-J1)
Connectors:	SMA Female
Type:	Absorptive

Environmental Ratings:

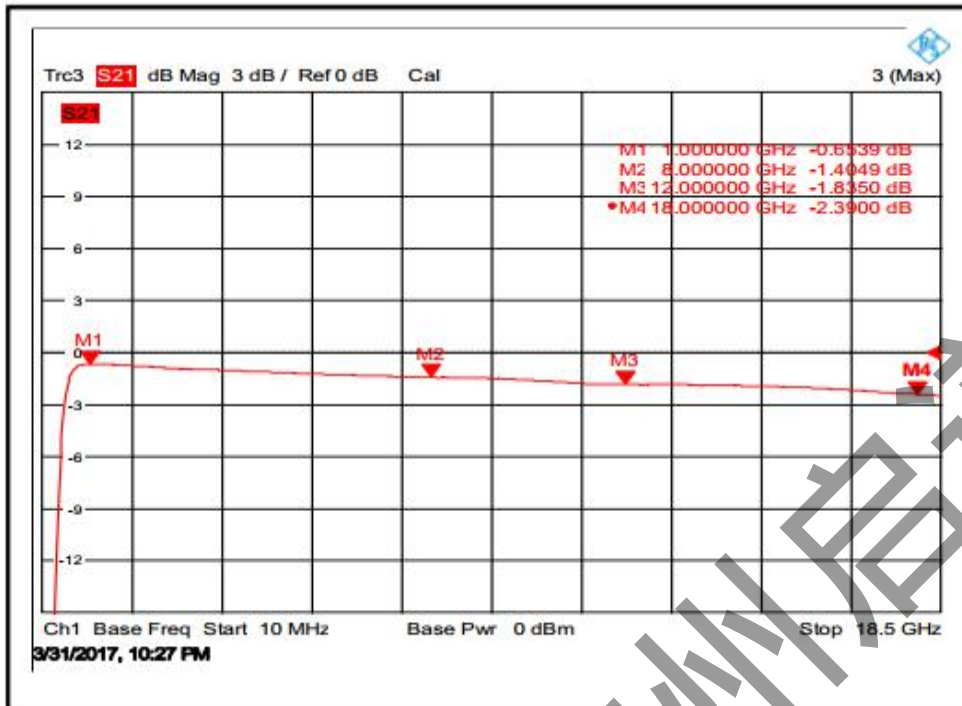
Temperature:	-25°C to +71 °C Operating -65 °C to +100 °C Non-Operating
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B

Pin Diode Switch SW-1G18G-2A-S

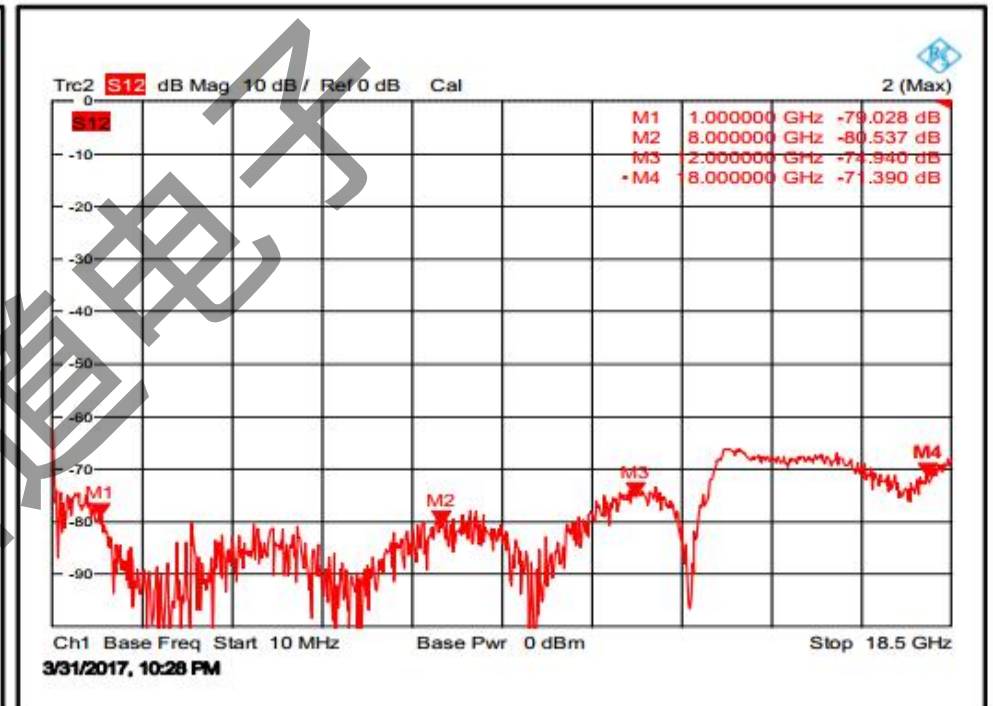
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@qiidao.com
CHECKRD:	DATE: 20/05/16	SHEET : 1 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SW-1G18G-2A-S is a single pole, two throw, absorptive switch designed to operate over the 1 to 18 GHz frequency range. This model is designed to handle 30dBm typ. input power. The switch offers fast switching speeds of 100nsec max., low insertion loss of 1.8dB typ. and high isolation of 60dB min. The DC supplies are 80mA @ ±5 V.

Typical Performance:



Insertion Loss

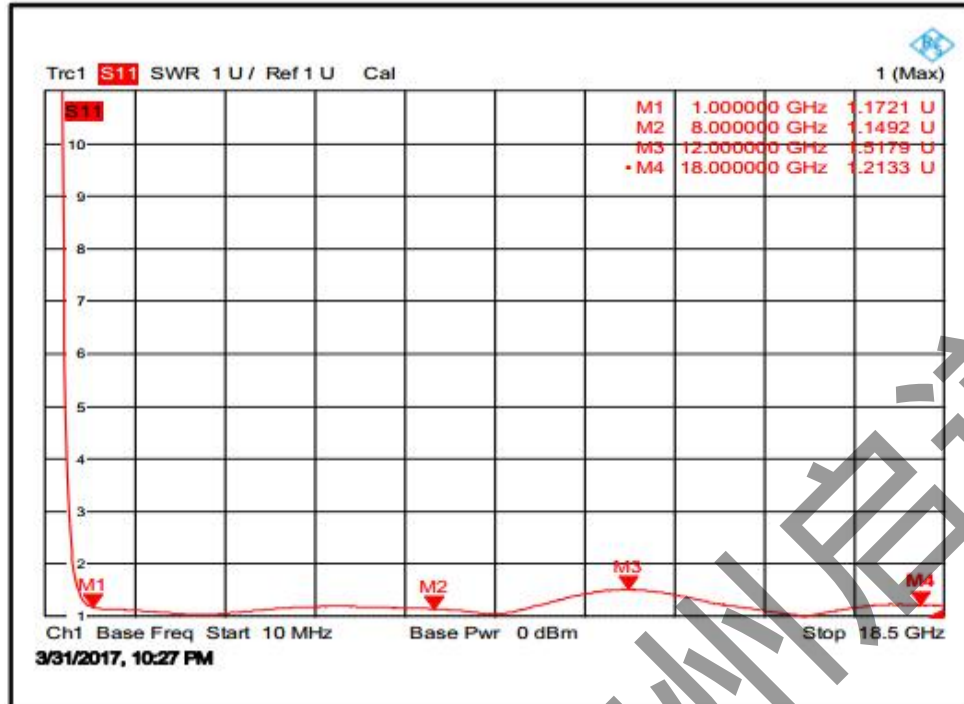


Isolation

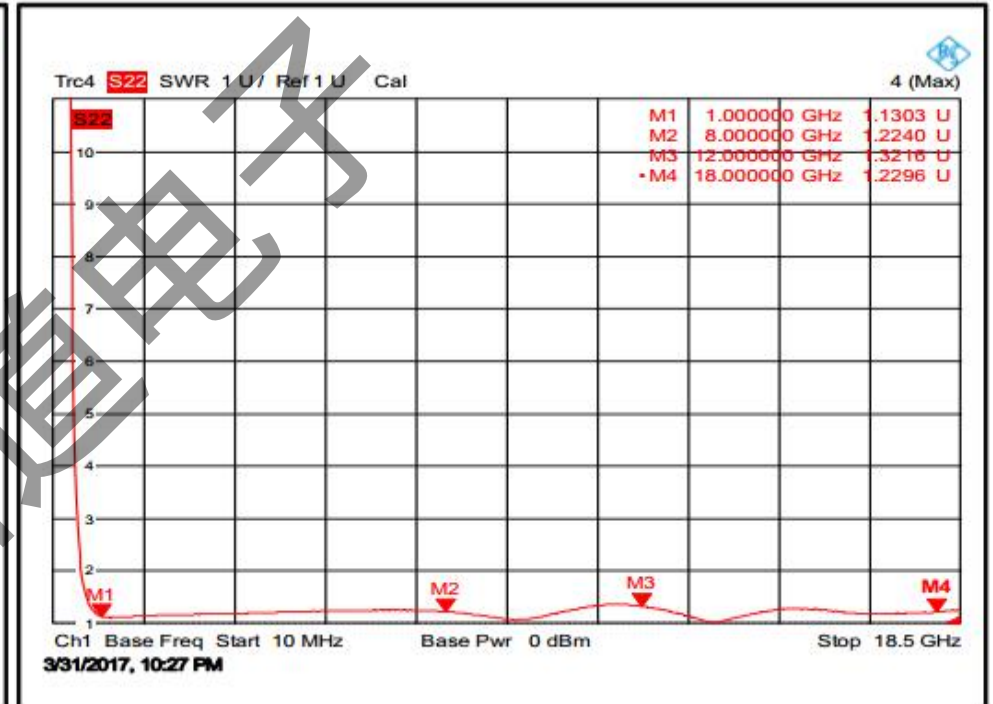
Pin Diode Switch SW-1G18G-2A-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@qiidao.com
CHECKRD:	DATE: 20/05/16	SHEET : 2 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SW-1G18G-2A-S is a single pole, two throw, absorptive switch designed to operate over the 1 to 18 GHz frequency range. This model is designed to handle 30dBm typ. input power. The switch offers fast switching speeds of 100nsec max., low insertion loss of 1.8dB typ. and high isolation of 60dB min. The DC supplies are 80mA @ ±5 V.

Typical Performance:



Input VSWR



Output VSWR

Pin Diode Switch SW-1G18G-2A-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@qiidao.com
CHECKRD:	DATE: 20/05/16	SHEET : 3 OF 3	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.