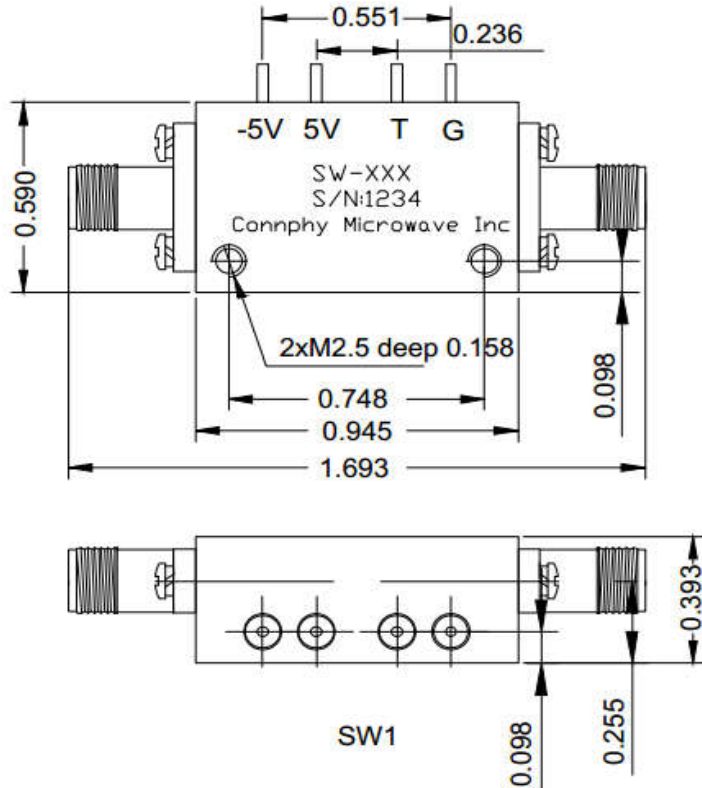


**SW-8G12G-01A-S** is a single pole, single throw, absorptive switch designed to operate over the 8 to 12GHz frequency range. This model is designed to handle 23dBm max input power. The switch offers fast switching speeds of 50nsec max., low insertion loss of 2.2dB and high isolation of 80dB. The DC supplies are 30mA @ ±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: 8 to 12GHz  
 Insertion Loss: 2.2dB max  
 Isolation: 80dB min  
 Switching Speed: 50ns max  
 Power Handling: 23dBm max  
 VSWR: 1.7:1 max  
 Voltage/Current: 30mA @ ±5 V typical  
 Control logic: TTL  
 Connectors: SMA Female  
 Type: Absorptive

Pin Diode Switch SW-8G12G-01A-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@connphy.com">sales@connphy.com</a>
CHECKRD:	DATE: 20/05/16	SHEET : 1 OF 1	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.