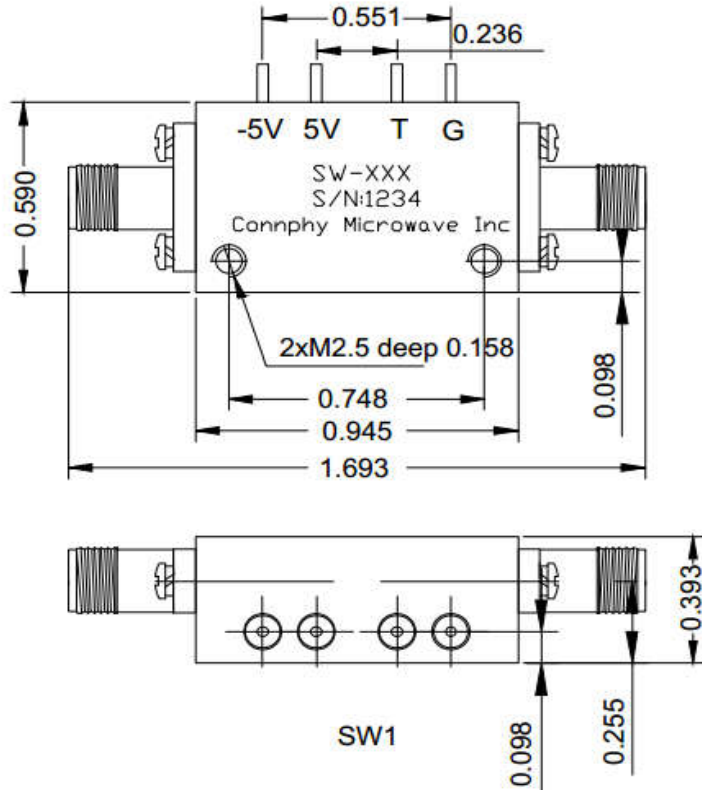


**SW-4G8G-01R-S** is a single pole, single throw, reflective switch designed to operate over the 4 to 8 GHz frequency range. This model is designed to handle 30dBm max input power. The switch offers fast switching speeds of 50nsec max., low insertion loss of 1.1dB and high isolation of 80dB. The DC supplies 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: 4 to 8GHz  
 Insertion Loss: 1.1dB max  
 Isolation: 80dB min  
 Switching Speed: 50ns max  
 Power Handling: 30dBm max  
 VSWR: 1.5:1 max  
 Voltage/Current: 30mA @ ±5 V typical  
 Control logic: TTL  
 Connectors: SMA Female  
 Type: Reflective

| Pin Diode Switch<br>SW-4G8G-01R-S |                   |                      |  |
|-----------------------------------|-------------------|----------------------|--|
| DRAWN:                            | DWG NO.:          | REV CODE:<br>Rev.1.0 | <br><a href="http://www.connphy.com">www.connphy.com</a><br><a href="mailto:sales@connphy.com">sales@connphy.com</a> |
| CHECKRD:                          | DATE:<br>20/05/16 | SHEET :<br>1 OF 1    |  |
| ISSUED:                           | SIZE:<br>A        | SCALE :<br>N / A     | Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.  |