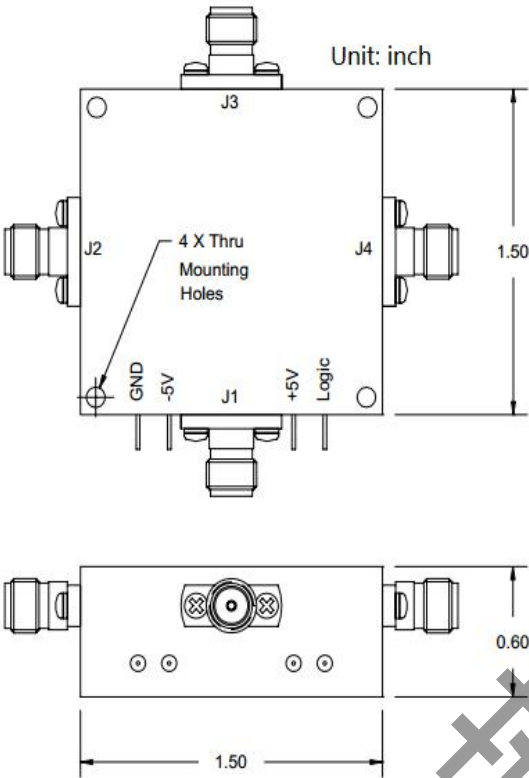


**SW-2G18G-DPDTR-S** is a dual pole, dual throw, reflective switch designed to operate over the 2 to 18GHz frequency range. This model is designed to handle 100 mW average input power. The switch offers fast switching speeds of 100nsec maximum, low insertion loss of 3.2dB and high isolation of 60dB . The DC supplies are  $\pm 5\text{ V}$  @100 mA .

**Mechanical Outline:**




**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: 2 to 18GHz  
Insertion Loss: 3.2dB  
Isolation: 60dB  
Switching Speed: 100ns max.  
Power Handling: 100 mW (20dBm)  
VSWR: 1.9:1  
Driver: TTL  
Voltage/Current:  $\pm 5\text{ V}$  @100 mA  
Control logic: TTL  
Connectors: SMA Female  
Type: Reflective

Pin Diode Switch SW-2G18G-DPDTR-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@qiidao.com">sales@qiidao.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.