

## DESCRIPTION:

PMI MODEL P6T-0R5G18G-60-R-1W IS A SINGLE POLE SIX THROW REFLECTIVE SWITCH THAT OPERATES OVER THE 0.5 TO 18.0 GHz FREQUENCY RANGE.

## SPECIFICATIONS:

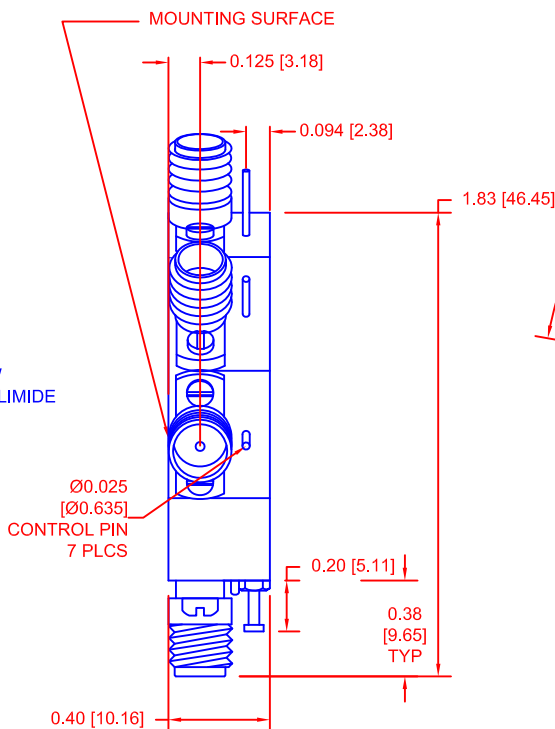
- FREQUENCY: 0.5 GHz TO 18.0 GHz
- INSERTION LOSS: 4.0 dB MAX
- ISOLATION: 60 dB MIN
- VSWR: IN/OUT: 2.0:1 MAX  
OUT/OFF: 2.0:1 MAX
- SPEED: RISE: 15 ns MAX  
FALL: 15 ns MAX  
DELAY ON: 75 ns MAX  
DELAY OFF: 75 ns MAX
- OPERATING POWER: +30 dBm CW MAX
- SURVIVAL POWER: 1.2 WATT CW, 10 WATTS PEAK 1  $\mu$ s
- CONTROL: TTL LOGIC "0"=ON "1"=OFF
- POWER SUPPLY: +5 V @ 350 mA MAX  
-15 V @ 100 mA MAX
- FINISH: BLUE EPOXY POLIMIDE COATING IAW  
MIL-C-22750, TYPE I OVER EPOXY POLIMIDE  
PRIMER IAW MIL-P-23377,  
TYPE I, CLASS 1 OR 3.

## ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40 °C TO +85 °C (OPERATING)  
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

\* Units are designed to meet environmental ratings, but not tested.  
If environmental testing is required, please contact sales department.

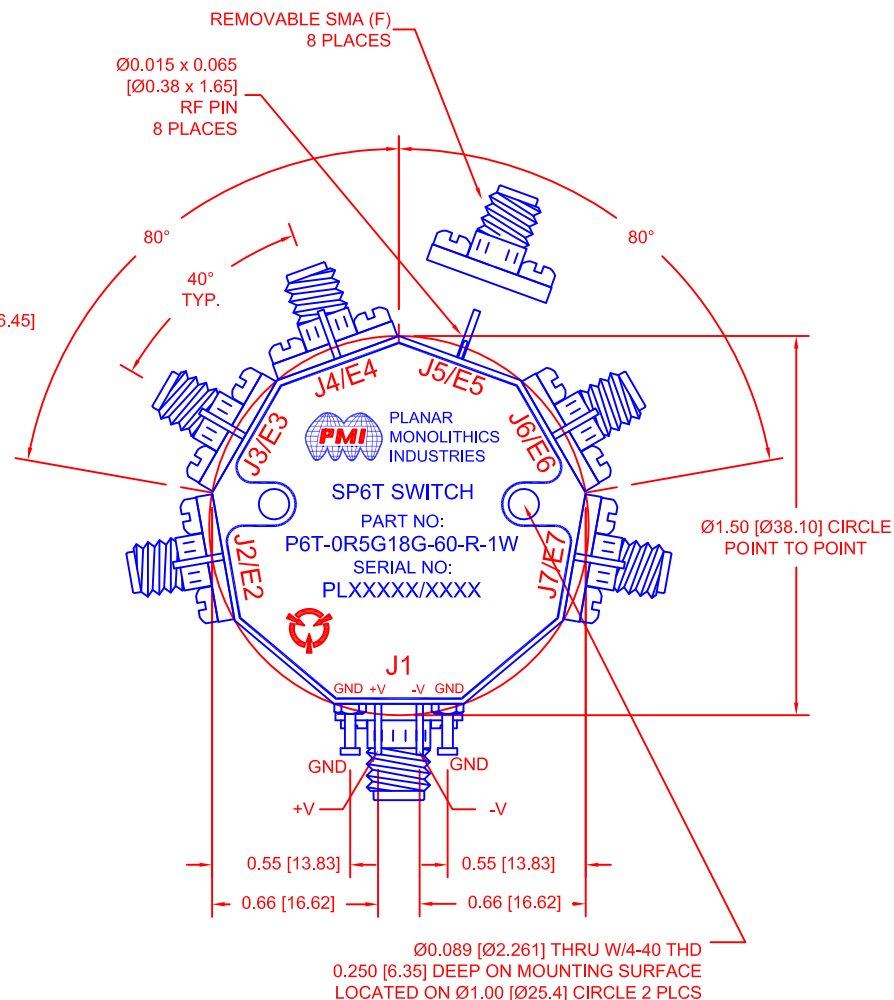



ALL DIMENSIONS ARE IN INCHES  
TOLERANCES [mm]:  
X.XX ±0.020 [0.508]  
X.XXX ±0.010 [0.254]

PMI CONFIDENTIAL & PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	4/18/18	

## MECHANICAL OUTLINE



PART NO.		<b>PLANAR MONOLITHICS INDUSTRIES, INC.</b> 7311-F GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: 301-662-5019 FAX: 301-662-1731 WEBSITE: www.pmi-rf.com E-MAIL: sales@pmi-rf.com ISO 9001:2008 CERTIFIED		
APPROVALS	DATE	 TITLE PRODUCT FEATURE P6T-0R5G18G-60-R-1W		
DRAWN M.Berry	04/21/16			
REDRAWN CW	4/18/18	SIZE FSCM NO. DWG NO. REV. A 05XQ0 PRELIMINARY -		
ISSUED				
SCALE N/S		SHEET 1 OF 1		