

**DESCRIPTION:**

PMI MODEL NUMBER P5T-0R5G18G-60-T-SFF IS A SINGLE POLE, FIVE THROW NON-REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 0.5GHZ TO 18.0GHZ FREQUENCY RANGE. THIS MODEL IS CAPABLE OF SWITCHING WITHIN 100 NSEC AND HAS OVER 60 dB OF ISOLATION.

**SPECIFICATIONS:**

- FREQUENCY: 0.5 GHz TO 18.0 GHz
- ISOLATION: 60 dB MINIMUM
- INSERTION LOSS: 4.0 dB MAXIMUM
- VSWR IN/OUT: 2.0:1 MAXIMUM
- OPERATING INPUT POWER: +20 dBm CW
- SWITCHING SPEED: 100 nsec MAXIMUM
- CONTROL SIGNAL: 5 LINE TTL
- DC VOLTAGE & CURRENT: +5 VDC @ 250 mA  
-12 VDC @ 100 mA
- RF CONNECTORS: SMA FEMALE CONNECTORS
- DC CONNECTORS: SOLDER PINS
- FINISH: PAINTED BLUE

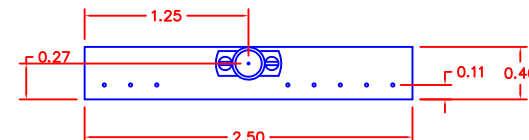
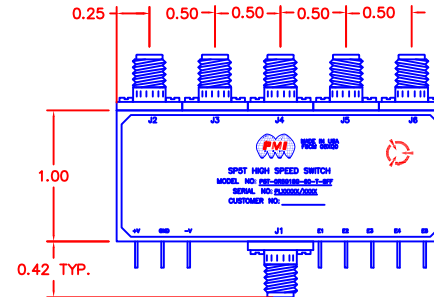
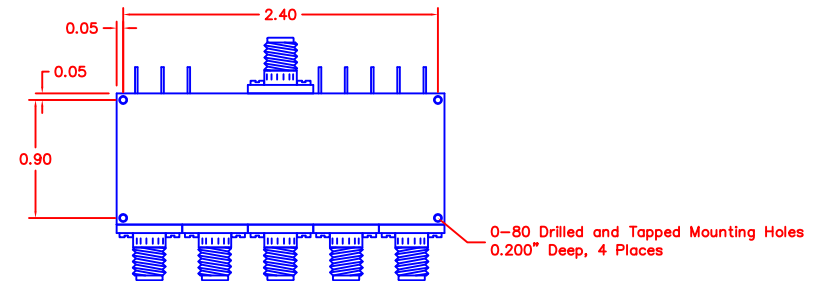
TTL LOGIC "1" = LOW LOSS	
TTL LOGIC "0" = ISOLATION	
E1	J1-J2
E2	J1-J3
E3	J1-J4
E4	J1-J5
E5	J1-J6

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE: -54 °C TO +95 °C (OPERATING)  
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. C
- VIBRATION: MIL-STD-202F, METHOD 204B COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105B COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107B COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	05/23/18	
	A2	ECN #23-0062	03/23/23	
	A3	ECN #24-0104	04/15/24	



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.  
 7309-A GROVE RD.  
 FREDERICK, MARYLAND 21704 USA  
 TEL: 301-662-5019 FAX:301-662-1731  
 WEBSITE: [www.quantipmi.com](http://www.quantipmi.com)  
 E-MAIL: [sales@quantipmi.com](mailto:sales@quantipmi.com)  
 ISO 9001 CERTIFIED



ALL DIMENSIONS  
 ARE IN INCHES  
 TOLERANCES:  
 X,XX ±0.020  
 X,XXX ±0.010

APPROVALS		DATE	TITLE			
DRAWN <i>EMF</i>		08/10/15	PRODUCT FEATURE			
REDRAWN <i>NFA</i>		05/23/18	P5T-0R5G18G-60-T-SFF			
ISSUED	SIZE	FSCM NO.	DWG NO.	REV.		
	A	05XQ0	27035101	A3		
	SCALE	N:S	SHEET	1 OF 1		