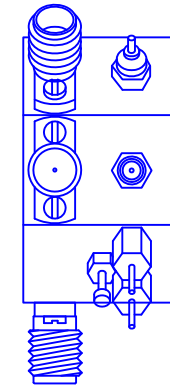
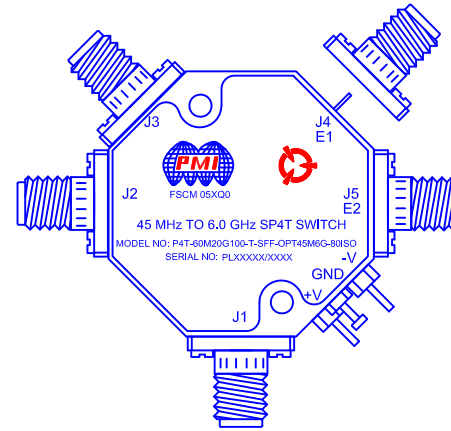
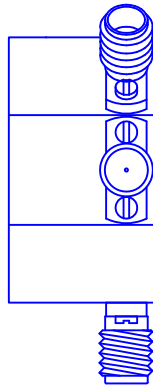


## DESCRIPTION

PMI MODEL: P4T-60M20G100-T-SFF-OPT45M6G-80ISO IS A SINGLE POLE FOUR THROW ABSORPTIVE SWITCH THAT OPERATES OVER THE FREQUENCY RANGE OF 45 MHz TO 6.0 GHz WITH OVER 80 dB OF ISOLATION. THE SWITCHING SPEED IS LESS THAN 50 ns AND OPERATES ON +5 & -12 VDC. THIS SWITCH IS SUPPLIED WITH FIELD REMOVABLE SMA FEMALE CONNECTORS.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 0.045 TO 6.0 GHz
- INSERTION LOSS: ----- 2.5 dB TYP
- ISOLATION: ----- 80 dB MIN
- VSWR (ON/OFF): ----- 2.0:1 MAX
- SWITCHING SPEED: ----- 50 ns (50% TTL TO 10/90% RF) TYP
- CONTROL LOGIC: ----- SEE LOGIC TABLE
- SURVIVAL POWER: ----- +30 dBm (1 WATT)
- OPERATING POWER: ----- +20 dBm MAX
- DC SUPPLY: ----- +5 VDC @ 200 mA MAX  
-12 VDC @ 100 mA MAX
- CONNECTORS IN/OUT: ----- SMA FEMALE REMOVABLE
- CONTROL CONNECTORS: ----- SOLDER PINS
- SIZE: ----- (L) 1.25" x (W) 1.25" x (H) 0.70"
- FINISH: ----- EPOXY PAINTED BLUE



## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)  
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202F, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202F, METHOD 213B COND. B
- 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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

ALL DIMENSIONS  
ARE IN INCHES (mm)  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	10/01/15	
	A1	ECN # 16-0181	12/01/16	

## MECHANICAL OUTLINE

**PLANAR MONOLITHICS INDUSTRIES, INC.**  
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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>M. Berry</i>		10/01/15	PRODUCT FEATURE P4T-60M20G100-T-SFF-OPT45M6G-80ISO		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27028101
ISSUED			SCALE N:S		REV. A1
				SHEET	1 OF 1