

## DESCRIPTION

PMI MODEL: P2T-1D2G1D4G-60-R-515-SFF-10WCW-SP IS A SINGLE POLE TWO THROW REFLECTIVE SWITCH THAT OPERATES OVER THE 1.2 TO 1.4 GHz FREQUENCY RANGE. THIS SWITCH HANDLES INPUT POWER OF 10 WATTS CW AND HAS A TYPICAL SWITCHING SPEED OF 100 ns.

## SPECIFICATIONS

- FREQUENCY RANGE: 1.2 GHz TO 1.4 GHz
- INSERTION LOSS: 1.0 dB MAXIMUM
- ISOLATION: 60 dB MINIMUM
- VSWR: 1.4:1 MAXIMUM
- SWITCHING SPEED: 100 ns TYPICAL  
(50% TTL TO 10%/90% RF)
- CONTROL LOGIC: SINGLE CONTROL TTL TOGGLE  
LOGIC "0" = J1-J2 ON  
LOGIC "1" = J1-J3 ON
- RF CONNECTORS: SMA FEMALE (3X)
- POWER SUPPLY: +5 V @ 100 mA MAXIMUM  
-15 V @ 75 mA MAXIMUM
- RF POWER (OPERATING): 10 WATTS CW MAXIMUM
- SIZE: 1.2" (L) X 1.00" (W) X 0.50" (H)
- 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: -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

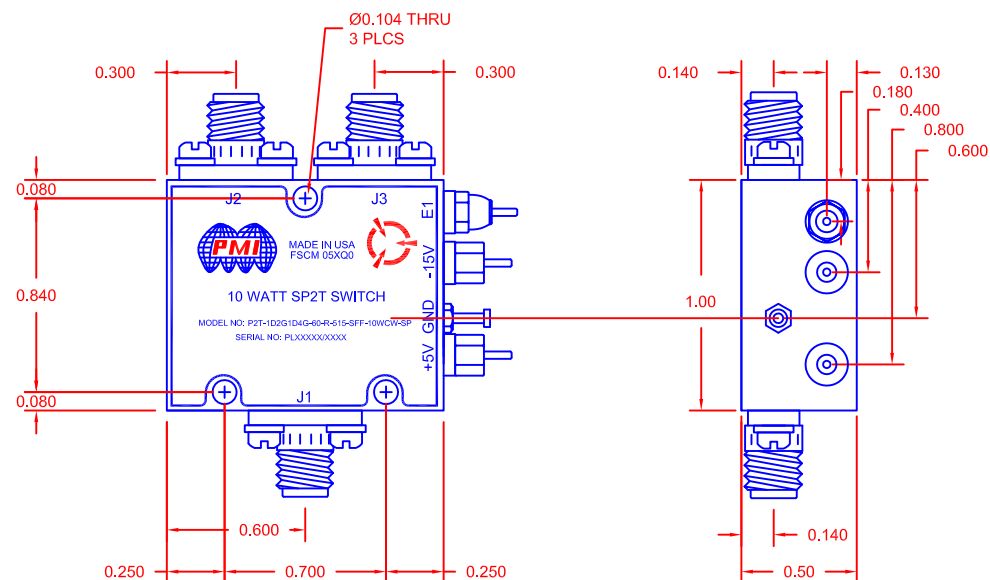
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

**PMI CONFIDENTIAL AND PROPRIETARY**

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/20/18	

## MECHANICAL OUTLINE



## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		JPH		PRODUCT FEATURE	
CHECKED		9/20/18		P2T-1D2G1D4G-60-R-515-SFF-10WCW-SP	
ISSUED					
SIZE	FSCM NO.	DWG NO.	REV.		
A	05XQ0	PRELIMINARY	-		
SCALE	N:S	SHEET	1 OF 1		