

DESCRIPTION

PMI MODEL: P4T-17G40G-60-T-55-292FF-OPT42 IS A SINGLE POLE FOUR THROW ABSORPTIVE SWITCH. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS:

SPECIFICATIONS

- FREQUENCY RANGE: ----- 17 TO 42 GHz
- INSERTION LOSS: ----- 6 dB MAXIMUM
- INSERTION LOSS FLATNESS: ----- ±1.5 dB OVER FULL BAND
- ISOLATION: ----- 60 dB MINIMUM
- VSWR: ----- 2.0:1 MAXIMUM
- POWER HANDLING: ----- 200 mW CW (+23 dBm CW) MINIMUM
- SWITCHING SPEED: ----- 10% TO 90% 100 ns MAXIMUM
- CONTROL: ----- TTL CONTROL - SEE LOGIC TABLE
- POWER SUPPLY: ----- +5 VDC @ 100 mA MAXIMUM
-5 VDC @ 100 mA MAXIMUM
- CONNECTORS: ----- 2.92mm FEMALE
- CONTROL/POWER: ----- SOLDER PINS
- SIZE: ----- (L) 1.25" (31.75) x (W) 1.25" (31.75) x (H) 0.50" (12.70)
- WEIGHT: ----- 1.5 oz TYPICAL, 1.75 oz MAXIMUM
- FINISH: ----- GOLD PLATED

LOGIC TABLE		
2 BIT DECODER		
E1	E2	FUNCTION
0	0	J1-J2 "Low Loss"
0	1	J1-J3 "Low Loss"
1	0	J1-J4 "Low Loss"
1	1	J1-J5 "Low Loss"

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °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
- ESD RESISTANCE: ----- HUMAN BODY MODEL CLASS 0

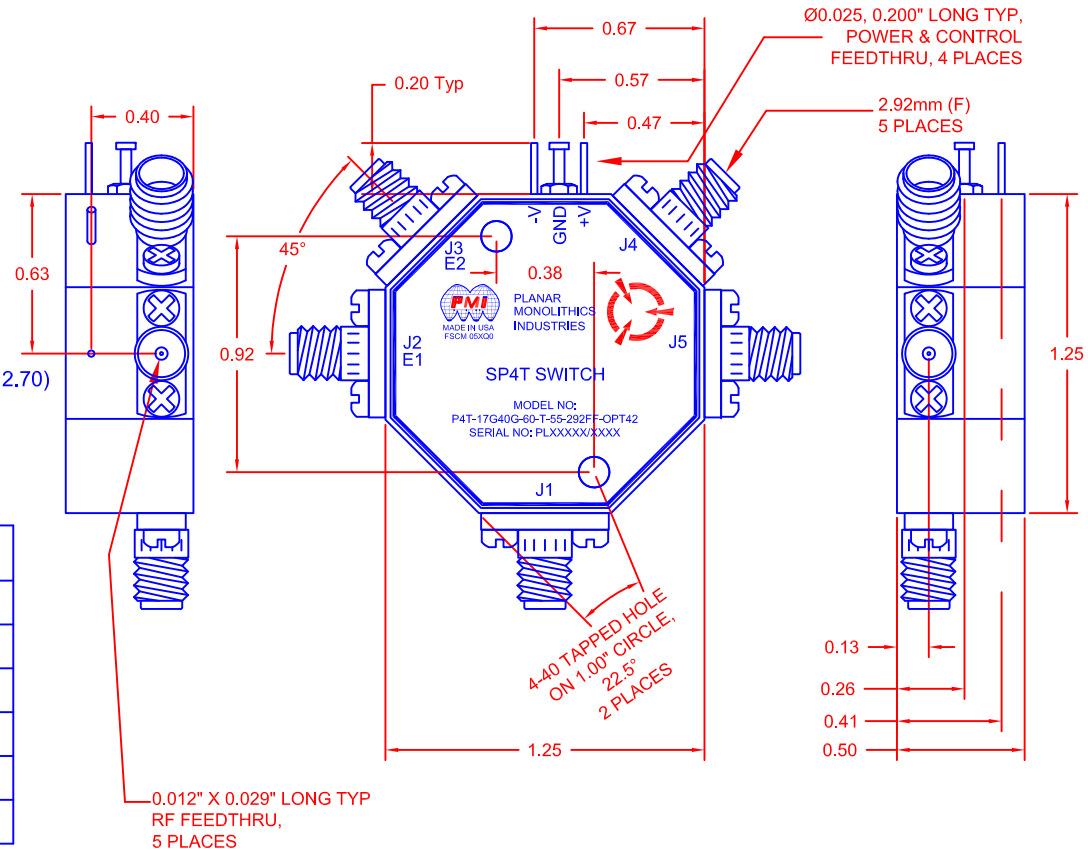
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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
	-	PRELIMINARY	8/21/17	

MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			REV.
DRAWN <i>M. Berry</i>		2/5/16	PRODUCT FEATURE			
REDRAWN <i>EW</i>		8/21/17	P4T-17G40G-60-T-55-292FF-OPT42			
ISSUED	SIZE A	FSCM NO. 05XQ0	DWG NO.	PRELIMINARY		
	SCALE N:S		SHEET	1 OF 1		