

DESCRIPTION

PMI MODEL NO. P2T-1G1R1G-50-R-SMT-50W IS A SINGLE POLE, TWO THROW, REFLECTIVE SWITCH THAT OPERATES OVER THE FREQUENCY RANGE OF 1.0 TO 1.1 GHz. THIS MODEL IS DESIGNED TO HANDLE 50 WATTS AVERAGE INPUT POWER.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 1.0 TO 1.1 GHz
- IMPEDANCE: ----- 50 OHMS NOMINAL
- VSWR: ----- 1.15:1 TYP, 1.30:1 MAX
- INSERTION LOSS: ----- 0.50 dB MAX
- ISOLATION: ----- 50 dB MIN
- SWITCHING SPEED: ----- Ton, Toff = 1 μ s MAX
- RF INPUT POWER: ----- 50 WATTS AVERAGE (COLD SWITCH)
1500 WATTS PEAK (15 μ s MAX PULSE WIDTH,
2% MAX DUTY CYCLE)
- CONTROL LOGIC (1 LINE): ----- TTL "LOW" (0 TO 0.8 V) FOR COMMON TO J1
TTL "HIGH" (2.0 TO 5.0 V) FOR COMMON TO J2
- DC SUPPLY: ----- +12 V @ 300 mA
- RF & DC CONNECTORS: ----- SMT

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -40 °C TO +85 °C (OPERATING)
-55 °C TO +85 °C (STORAGE)
- HUMIDITY: ----- 95% RH @ 40°C (NON-CONDENSING)
- SHOCK: ----- AS PER MIL 810 E
- VIBRATION: ----- AS PER MIL 810 E
- ALTITUDE: ----- AS PER MIL 810 E
- EMI/EMC: ----- AS PER MIL 461 E

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

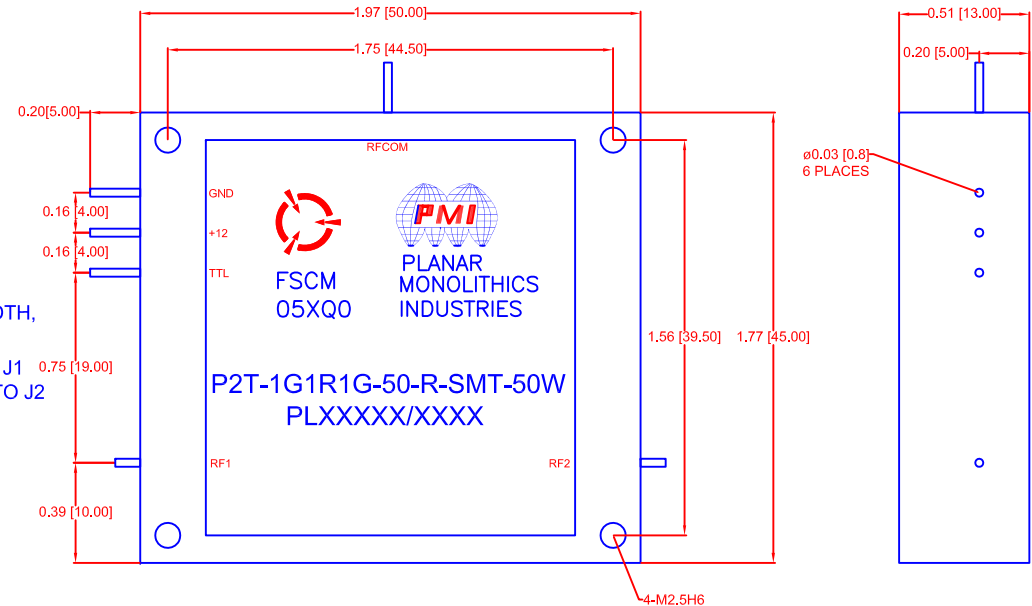
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS
ARE IN INCHES [mm]
TOLERANCES:
X.XX \pm 0.020
X.XXX \pm 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/19/2018	

MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			
DRAWN <i>EW</i>		10/19/18	PRODUCT FEATURE P2T-1G1R1G-50-R-SMT-50W			
REDRAWN			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PRELIMINARY	-
			SCALE	N:S	SHEET	1 OF 1