

DESCRIPTION

PMI MODEL NUMBER P2T-3G3R5G-45-R-SFF-50W-SM IS A SINGLE POLE, TWO THROW REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 3.0 GHz TO 3.5 GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED TO HANDLE 50 WATTS AVERAGE INPUT POWER.

SPECIFICATIONS

- FREQUENCY: 3.0 GHz TO 3.5 GHz
- POWER: 50 WATTS
- INSERTION LOSS: 1.0 dB TYP.
- ISOLATION: 40 dB TYP.
- VSWR: 1.5:1
- SWITCHING SPEED: 1 us MAX
- SWITCHING RATE: 15 kHz MAX, 50% Duty Cycle
- COLD SWITCHING: YES
- POWER SUPPLY: +5V @ 100 mA
- CONTROL: TTL (SEE LOGIC TABLE)
- FINISH: NO PAINT ON MOUNTING SURFACE
BLUE EPOXY POLIMIDE COATING IAW
MIL-C-22750, TYPE I OVER EPOXY POLIMIDE
PRIMER IAW MIL-P-23377,
TYPE I, CLASS 1 OR 3.
- CONNECTORS: SMA FEMALE (J1, J2, J3)

LOGIC TABLE

CTL	J1 - J2	J1 - J3
0	ON	OFF
1	OFF	ON

ENVIRONMENTAL RATINGS

- TEMPERATURE: -45°C TO +85°C (OPERATING - BASE PLATE)
-54°C TO +125°C (NON-OPERATING)
- ENVIRONMENTAL: MIL-STD-810E
- EMI/EMC: MIL-STD-461

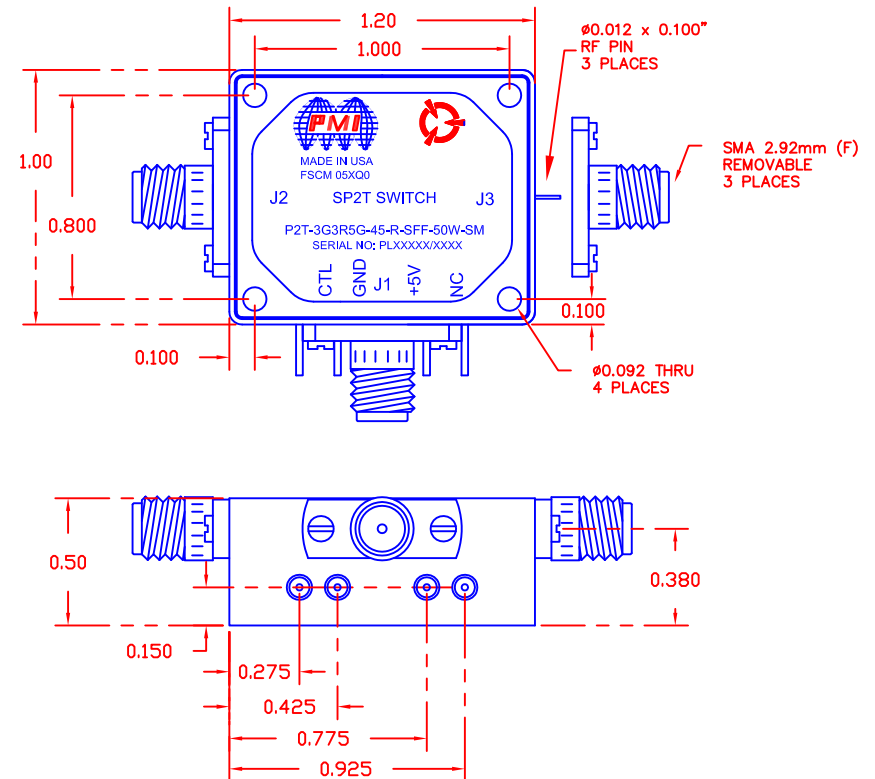
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	4/13/2017	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN	<i>M. Berry</i>		11/30/16	PRODUCT FEATURE P2T-3G3R5G-45-R-SFF-50W-SM 3.0 to 3.5 GHz High Power Switch	
REDRAWN	<i>S. Palacio</i>		4/13/17		
ISSUED				SIZE	FSCM NO.
				A	05XQ0
				DWG NO.	PRELIMINARY
				SCALE	N:S
				SHEET	1 OF 1