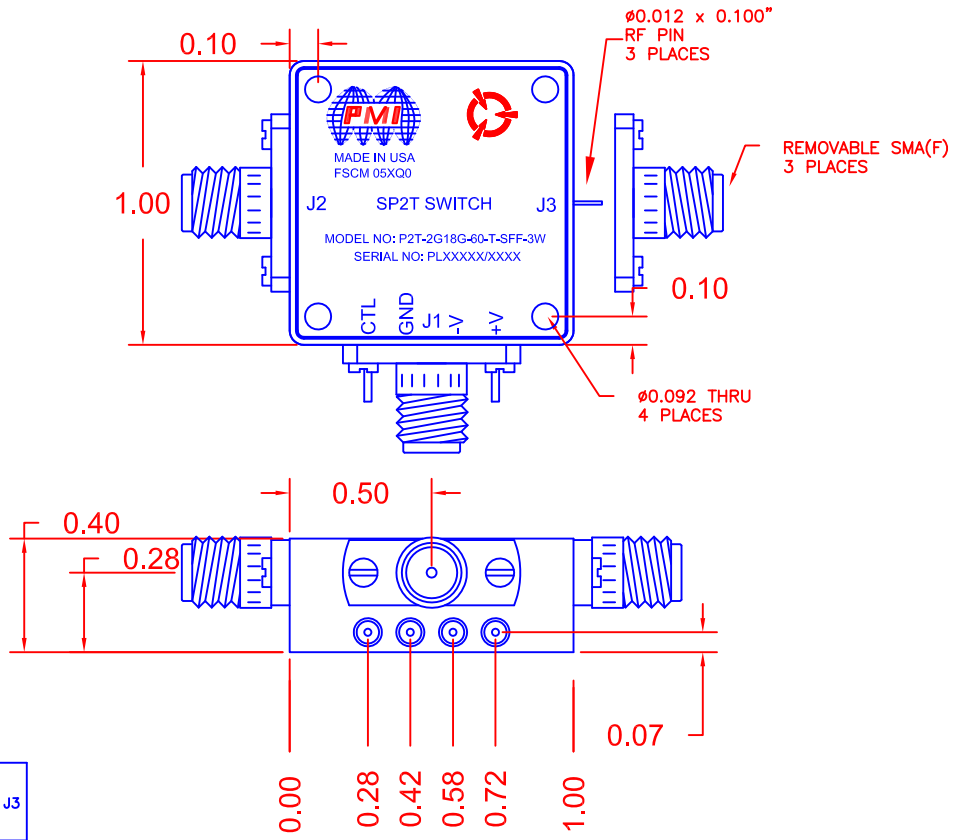
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	PRELIMINARY	11/10/14	

DESCRIPTION

THE MODEL P2T-2G18G-60-T-SFF-3W IS A HIGH SPEED, SINGLE POLE, TWO THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 50ns. THE FREQUENCY RANGE IS 2.0 TO 18.0 GHz AND THIS SWITCH HAS OVER 60dB OF ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: ——— 2.0 TO 18 GHz
- INSERTION LOSS: ——— 2.5dB TYPICAL, 3.5dB MAXIMUM
- ISOLATION: ——— 60dB MINIMUM
- VSWR: ——— 2.0:1 MAXIMUM
- SWITCHING SPEED: ——— 50 ns MAXIMUM
  (50% TTL TO 10/90% RF)
- OPERATING POWER: ——— 3 Watts Peak, 2% Duty Cycle, 50nsec PW
- CONTROL: ——— TTL LOGIC – SEE TABLE BELOW
- POWER SUPPLY: ——— +15V @ 100 mA MAXIMUM
  –15V @ 100 mA MAXIMUM
- CONNECTORS:
  - RF: ——— SMA FEMALE
  - CONTROL: ——— SOLDER PIN
- SIZE: ——— (L) 1.0" X (W) 1.0" X (H) 0.4"
- 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.



OPTIONS

- –OPT500M18G: ——— 0.5 TO 18 GHz

LOGIC TABLE

CTL	J1 – J2	J1 – J3
0	ON	OFF
1	OFF	ON

ENVIRONMENTAL RATINGS:

- TEMPERATURE: ——— –20°C TO +75°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

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN K. MASON	11/10/14
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
P2T-2G18G-60-T-SFF-3W

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	–

SCALE N:S SHEET 1 OF 1