DESCRIPTION

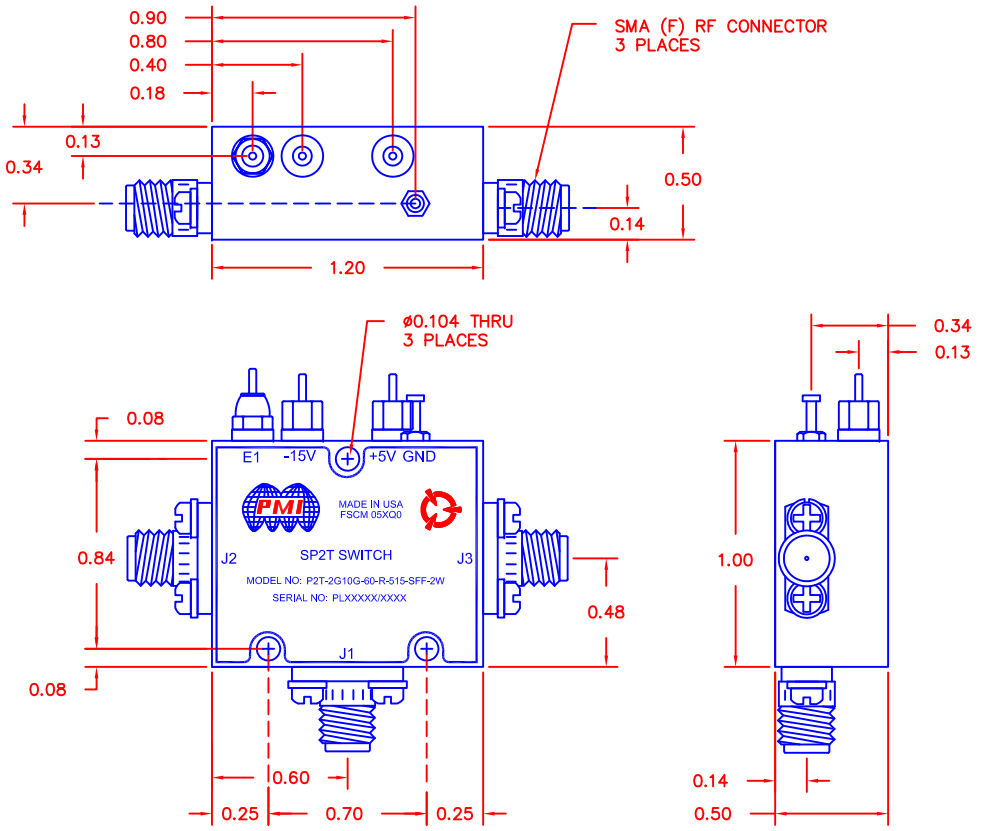
PMI MODEL P2T-2G10G-60-R-515-SFF-2W IS A SINGLE POLE TWO THROW, REFLECTIVE SWITCH THAT OPERATES OVER THE 2.0 TO 10.0GHZ FREQUENCY RANGE. THIS SWITCH HANDLES INPUT POWER OF 2 WATTS CW AND HAS A MAXIMUM SWITCHING SPEED OF 100NSEC.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	PRELIMINARY	12/9/14	

SPECIFICATIONS

- FREQUENCY: 2.0 GHz TO 10.0 GHz
- INSERTION LOSS: 3.0dB MAXIMUM
- ISOLATION: 60dB MINIMUM
- VSWR: 2.0:1 MAXIMUM
- SWITCHING SPEED: 100 ns MAXIMUM
- CONTROL LOGIC: SINGLE CONTROL TTL TOGGLE
  LOGIC "0" = J1 – J2 ON
  LOGIC "1" = J1 – J3 ON
- RF CONNECTORS: SMA FEMALE
- POWER SUPPLY: + 5V @ 200 mA MAXIMUM
  –15V @ 100 mA MAXIMUM
- RF POWER (OPERATING): 2 WATTS CW MAXIMUM
- SIZE: 1.2" (L) X 1.00" (W) X 0.50" (H)
- FINISH: PAINTED BLUE

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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: 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	12/9/14
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
P2T-2G10G-60-R-515-SFF-2W

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

SCALE N: S SHEET 1 OF 1