

DESCRIPTION

PMI MODEL P2T-0R1G20G-80-T-SFF IS A SINGLE POLE TWO THROW, NON-REFLECTIVE/ABSORPTIVE SWITCH MODULE WITH VERY HIGH ISOLATION, LOW LOSS, HIGH SPEED AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR BROAD BAND OPERATIONS.

SPECIFICATIONS

- FREQUENCY: 0.1 GHz TO 20 GHz
- INSERTION LOSS: 5.0 dB MAXIMUM
- ISOLATION: 80 dB MINIMUM
- VSWR (ON AND OFF): 2.0:1 MAXIMUM
- SWITCHING SPEED: 300 ns (10% - 90% RF)
- 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
-12V @ 100 mA MAXIMUM
- RF POWER (SURVIVAL): +30 dBm (1 WATT)
- RF POWER (OPERATING): +20 dBm MAXIMUM
- RF PHASE TRACKING: 2 DEGREES PER DEGREE CELSIUS
(ALL PORTS WITH RESPECT
TO COMMON WITH TEMPERATURE)
- SIZE: 1.2" (L) X 1.00" (W) X 0.50" (H)
- WEIGHT: 1.2 oz
- FINISH: PAINTED GRAY

ENVIRONMENTAL RATINGS

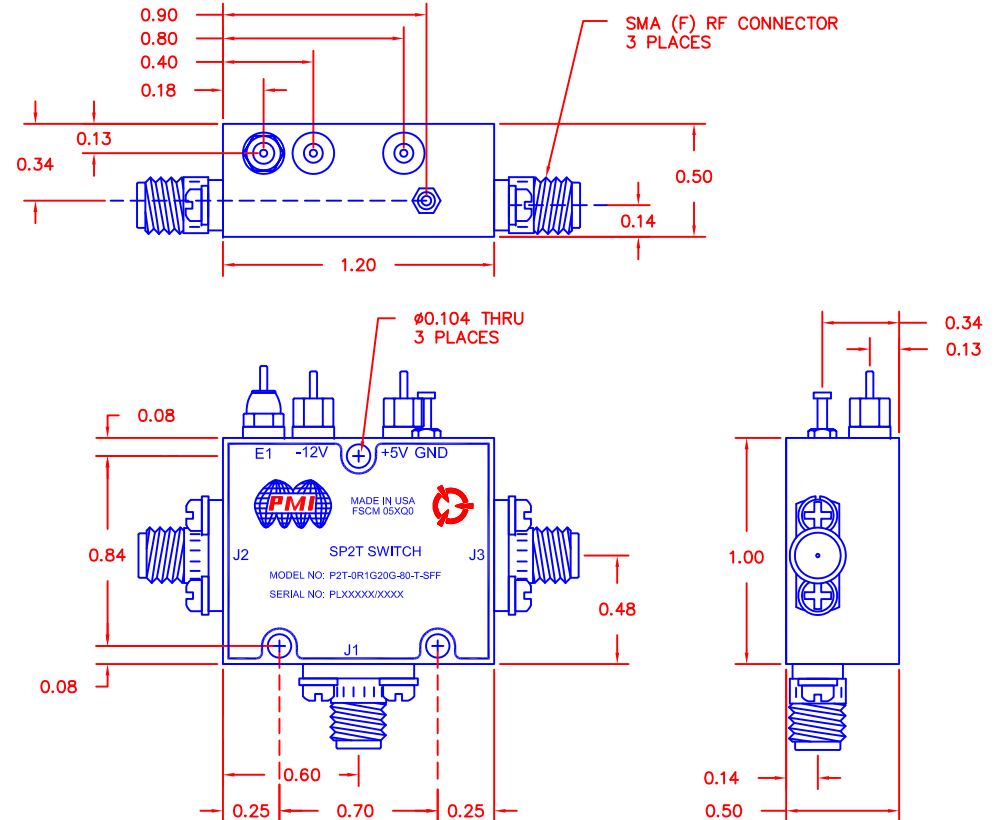
- TEMPERATURE: 0°C TO +55°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. 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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	09/30/16	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>EMF</i>		9/30/16	PRODUCT FEATURE P2T-0R1G20G-80-T-SFF			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PRELIMINARY	-
			SCALE	N: S		SHEET
					1 OF 1	