

DESCRIPTION

PMI MODEL P2T-10G31G-60-T-55-292FF IS AN ABSORPTIVE, SINGLE POLE, TWO THROW PIN DIODE SWITCH THAT OPERATES OVER THE 10 GHZ TO 31 GHZ FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE:10 TO 31 GHz
- ISOLATION: 60 dB MIN
- INSERTION LOSS:5.0 dB MAX
- VSWR IN / OUT:2.0:1 MIN
- INPUT POWER:+20 dBm CW MAX
- SURVIVAL POWER:1W PEAK 1 us
- RF SWITCHING SPEED:RISE: 15ns MAX
FALL: 15ns MAX
DELAY ON: 50ns MAX
DELAY OFF: 50ns MAX
- DC VOLTAGE:+5VDC @ 200 mA MAX
-5VDC @ 100 mA MAX
- CONTROL SIGNAL:TTL LOGIC
SEE LOGIC TABLE
- CONNECTORS IN/OUT:2.92mm FEMALE CONNECTORS
- CONTROL CONNECTORS:SOLDER PINS
- FINISH: PAINTED BLUE
- SIZE: 1.000" X 1.000" X 0.500"

LOGIC TABLE

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

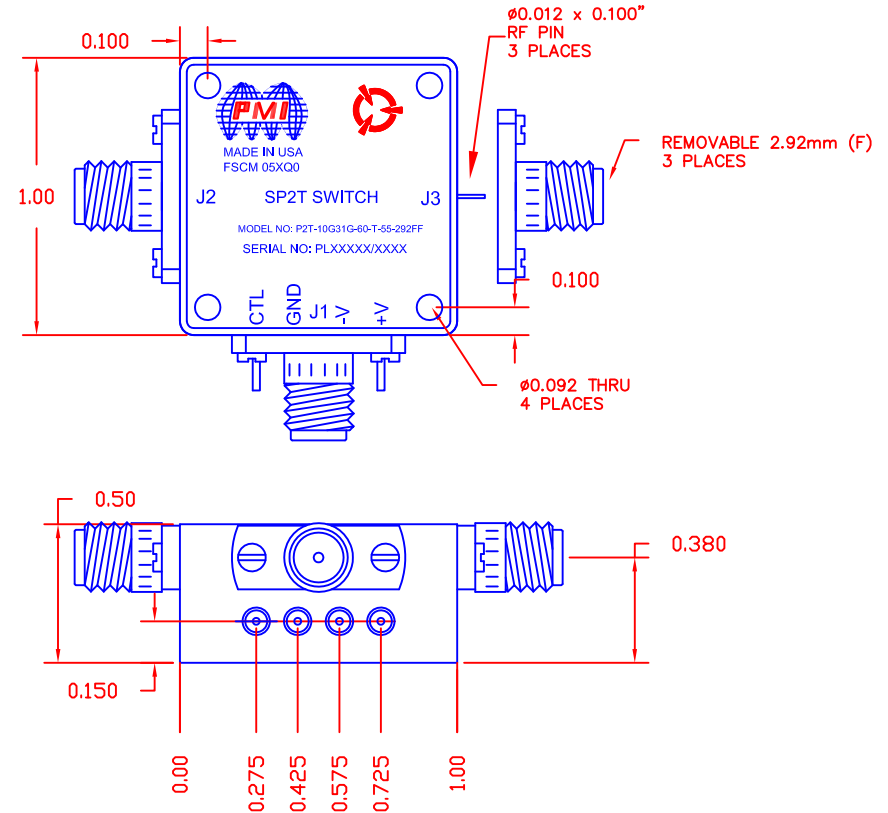
ENVIRONMENTAL RATINGS

- TEMPERATURE:-40°C TO +85°C (OPERATING)
-55°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
- SALT FOG:MIL-STD-202F, METHOD 107D COND. A
- FUNGUS:MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE:MIL-STD-202F, METHOD 107

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/11/22	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

APPROVALS		DATE	TITLE			
DRAWN	<i>AF</i>	11/11/22	PRODUCT FEATURE P2T-10G31G-60-T-55-292FF			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PRELIMINARY	-
			SCALE	N: S		SHEET 1 OF 1