

DESCRIPTION

PMI MODEL P2T-500M40G-30-R-55-292FM IS A REFLECTIVE, SINGLE POLE, TWO THROW PIN DIODE SWITCH THAT OPERATES OVER THE 0.5 GHZ TO 40 GHZ FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 40 GHz
- ISOLATION: 30 dB TYP
- INSERTION LOSS: 4.0 dB TYP
- VSWR IN / OUT: 2.5 : 1 MAX, 2.0 : 1 TYP
- INPUT POWER: +20 dBm CW MAX
- SURVIVAL POWER: 1W PEAK 1 usec
- RF SWITCHING SPEED: RISE: 15nS MAX
FALL: 15nS MAX
DELAY ON: 50nS MAX
DELAY OFF: 50nS MAX
- DC VOLTAGE: +5 V @ 200 mA MAX
-5 V @ 100 mA MAX
- CONTROL SIGNAL: TTL LOGIC
SEE LOGIC TABLE
- CONNECTORS: 2.92mm FEMALE "J1"
2.92mm MALE "J2 - J3"
- CONTROL CONNECTORS: SOLDER PINS
- FINISH: GOLD PLATED

LOGIC TABLE

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

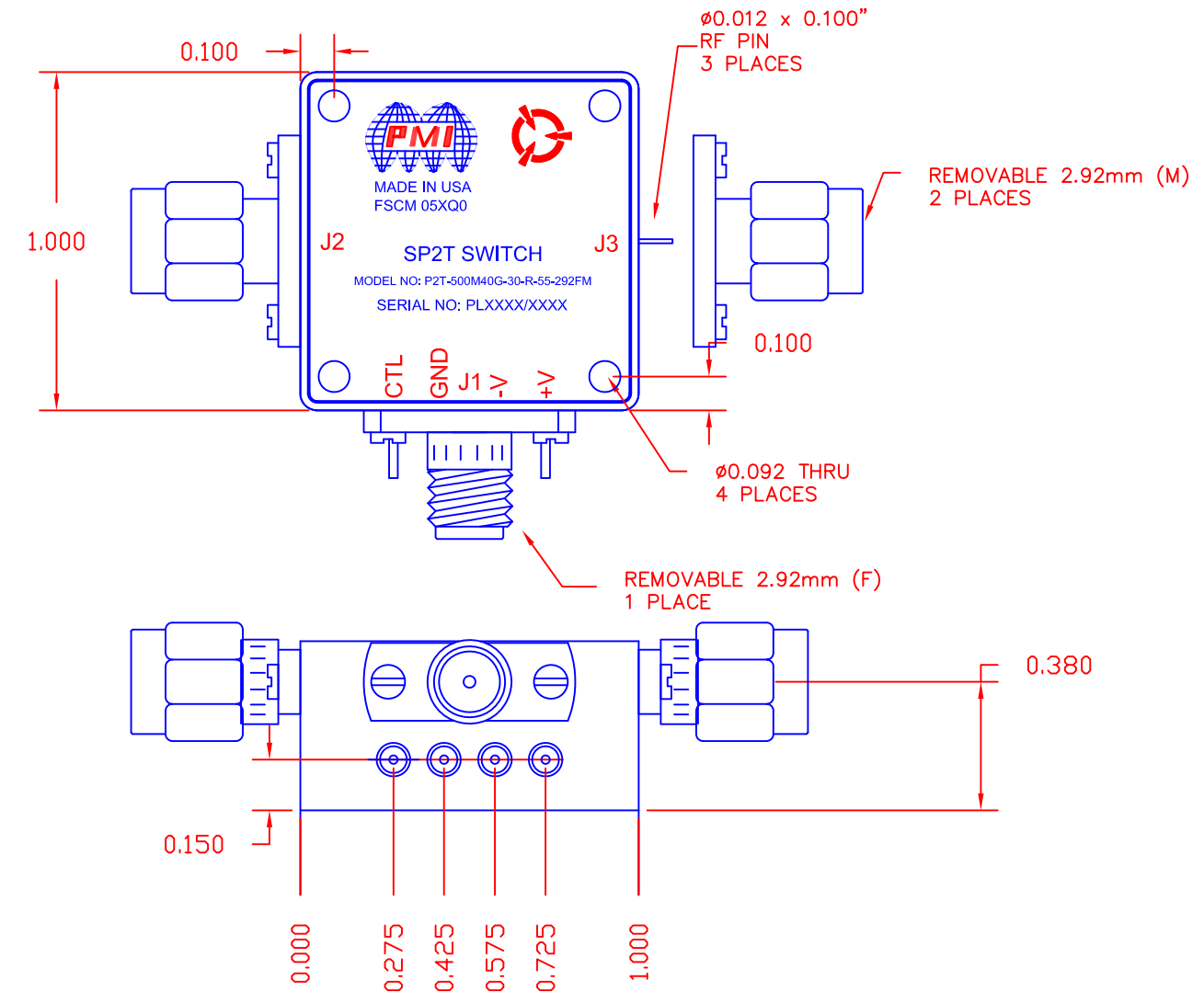
ENVIRONMENTAL RATINGS

- 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
	A	ORIGINAL RELEASE	3/10/11	

MECHANICAL OUTLINE



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		PART NO.		PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
FRACTIONS	DECIMALS	ANGLES	APPROVALS	DATE	TITLE
±	.XX ± 0.010	±	KM	3/10/11	OUTLINE DRAWING P2T-500M40G-30-R-55-292FM
	.XXX ± 0.005				
MATERIAL:	FINISH:	ISSUED	SCALE N/S	SIZE B	FSCM NO.
APPLICATION	DO NOT SCALE DRAWING			DWG NO. 27014381	REV. A
					SHEET 1 OF 1