

DESCRIPTION

PMI MODEL P2T-500M40G-60-T-55-292FF Rev. B IS AN ABSORPTIVE, 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:.....60 dB MIN
- INSERTION LOSS:.....6.0 dB MAX
- VSWR IN / OUT:.....2.5:1 MAX, 2.0:1 TYP
- 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:.....GOLD PLATED
- SIZE:.....1.000" X 1.000" X 0.500"

LOGIC TABLE

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

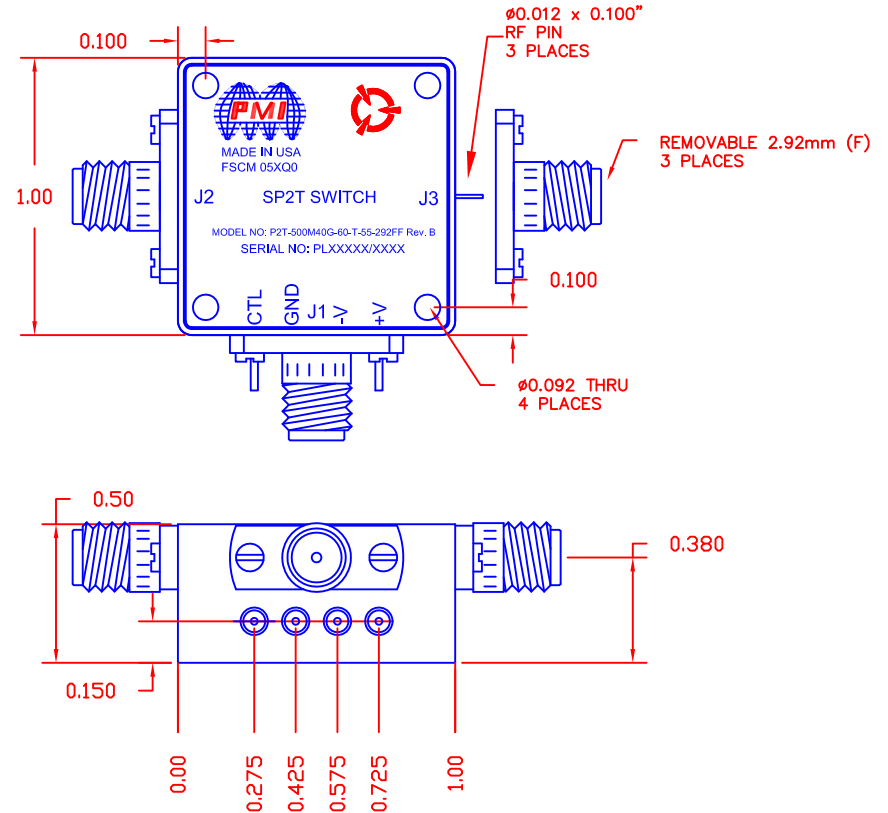
ENVIRONMENTAL RATINGS

- 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
	A1	ORIGINAL RELEASE	9/10/10	
	B1	Change RF Feed thru dia.	9/20/10	
	B2	ECN # 13-0048	05/24/13	

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>KM</i>	7/29/10	PRODUCT FEATURE			
CHECKED			P2T-500M40G-60-T-55-292FF REV B			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27013421-B	B2
			SCALE	N: S	SHEET 1 OF 1	