

DESCRIPTION

PMI MODEL P2T-50M40G-95-T-515-292MF-OPT27G IS AN ABSORPTIVE, SINGLE POLE, TWO THROW PIN DIODE SWITCH THAT OPERATES OVER THE 50 MHZ TO 27 GHz FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE: 0.05 TO 27 GHz
- ISOLATION: 100 dB TYP., 95 dB Min. (0.05 to 18 GHz)
95 dB TYP., 80 dB Min. (18 to 27 GHz)
- INSERTION LOSS: 6 dB MAX.
4 dB TYP., (0.05 to 18 GHz)
5 dB TYP., (18 to 27 GHz)
- VSWR IN / OUT: 2.5:1 MAX, 2.0:1 TYP
- INPUT POWER: +20 dBm CW MAX
- SWITCHING SPEED: 100 ns Max.
- DC VOLTAGE: +5 VDC @ 65 mA TYP.
-15 VDC @ 65 mA TYP.
- CONTROL SIGNAL: TTL LOGIC
SEE LOGIC TABLE
- CONNECTORS J2, J3: 2.92mm FEMALE CONNECTORS
J1: 2.92mm MALE CONNECTORS
- CONTROL CONNECTORS: SOLDER PINS
- FINISH: GOLD PLATED
- SIZE: 1.0" X 1.0" X 0.5"

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

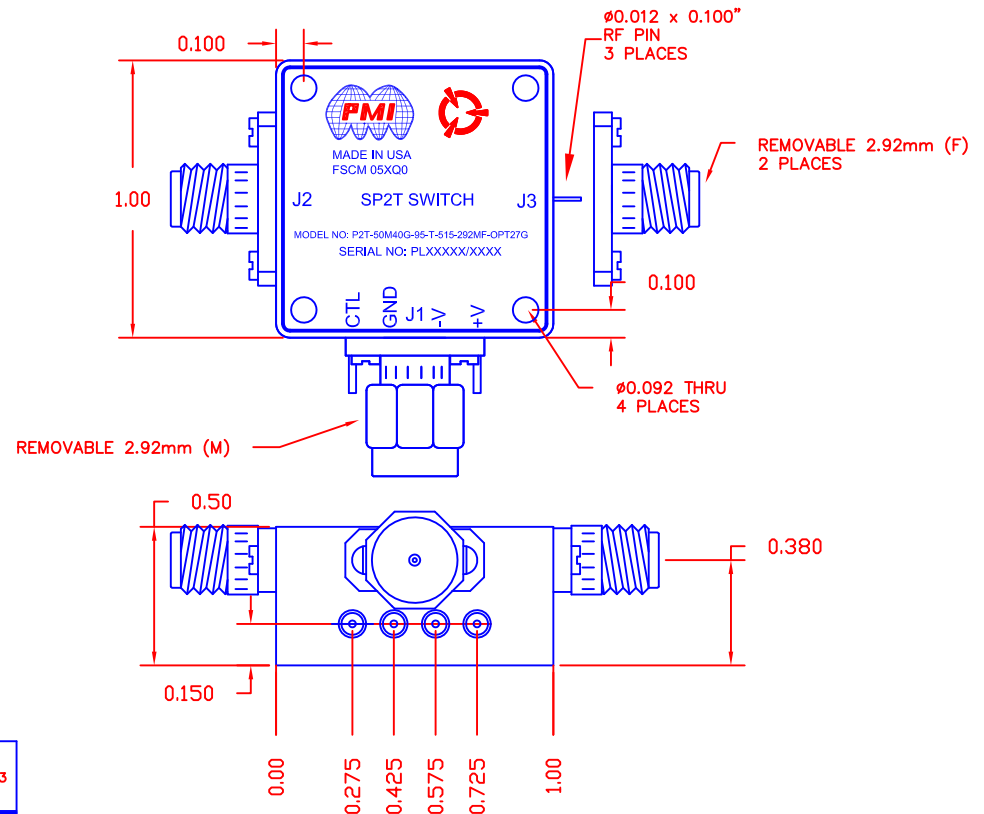
LOGIC TABLE

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	8/18/15	
	A1	ECN # 16-0027	2/9/16	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>B. Thomas</i>		8/18/15	PRODUCT FEATURE P2T-50M40G-95-T-515-292MF-OPT27G			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27025532	REV. A1
ISSUED			SCALE N:S	SHEET 1 OF 1		