

DESCRIPTION

PMI MODEL P2T-100M40G-95-T-512-292FF IS AN ABSORPTIVE, SINGLE POLE, TWO THROW PIN DIODE SWITCH THAT OPERATES OVER THE 0.1 GHZ TO 40 GHZ FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE:.....0.1 TO 40 GHz
- ISOLATION:.....100dB Typ., 95dB Min. (0.1 to 18GHz)
95dB Typ., 80dB Min. (18 to 26.5GHz)
75dB Typ., 70dB Min. (26.5 to 40GHz)
- INSERTION LOSS:.....6dB Max.
4dB Typ., (0.1 to 18GHz)
5dB Typ., (18 to 26.5GHz)
5.5dB Typ., (26.5 to 40GHz)
- VSWR IN / OUT:.....2.5:1 MAX, 2.0:1 TYP
- INPUT POWER:.....+20 dBm CW MAX
- SWITCHING SPEED:.....100 nsec Max.
- DC VOLTAGE:.....+5VDC @ 120 mA Typ.
-12VDC @ 65 mA Typ.
- CONTROL SIGNAL:.....TTL LOGIC
SEE LOGIC TABLE
- CONNECTORS IN/OUT:.....2.92mm FEMALE CONNECTORS
- CONTROL CONNECTORS:.....SOLDER PINS
- FINISH:.....GOLD PLATED
- SIZE:.....1.0" X 1.0" X 0.5"

LOGIC TABLE

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

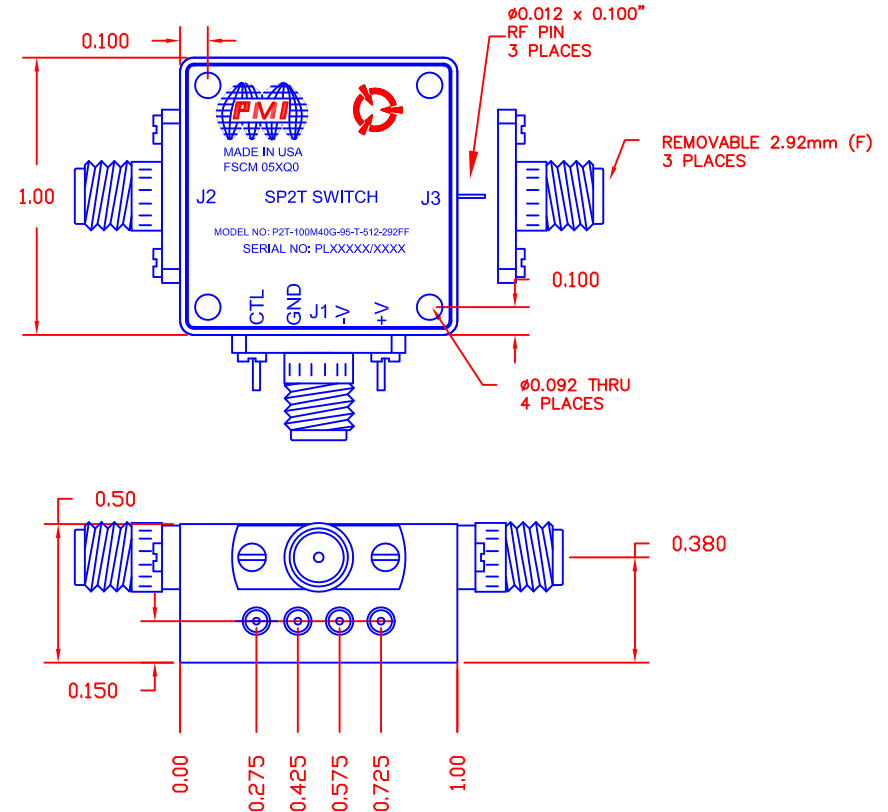
ENVIRONMENTAL RATINGS

- 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
	1	ORIGINAL RELEASE	10/22/13	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE			
DRAWN		10/22/13		PRODUCT FEATURE			
CHECKED				P2T-100M40G-95-T-512-292FF			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	27021041	1
				SCALE N: S		SHEET 1 OF 1	

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