

DESCRIPTION

PMI MODEL P2T-100M40G-110-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: 110dB Typ., 100dB Min. (0.3 to 18GHz)
100dB Typ., 90dB Min. (18 to 26.5GHz)
90dB Typ., 80dB Min. (0.1 to 0.3 & 26.5 to 40GHz)
- INSERTION LOSS @ 0dBm IN: 6.5dB Max.
4dB Typ., (0.1 to 18GHz)
5dB Typ., (18 to 26.5GHz)
5.5dB Typ., (26.5 to 40GHz)
9dB Max., (0.1 to 0.3GHz @ 20dBm IN)
- 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

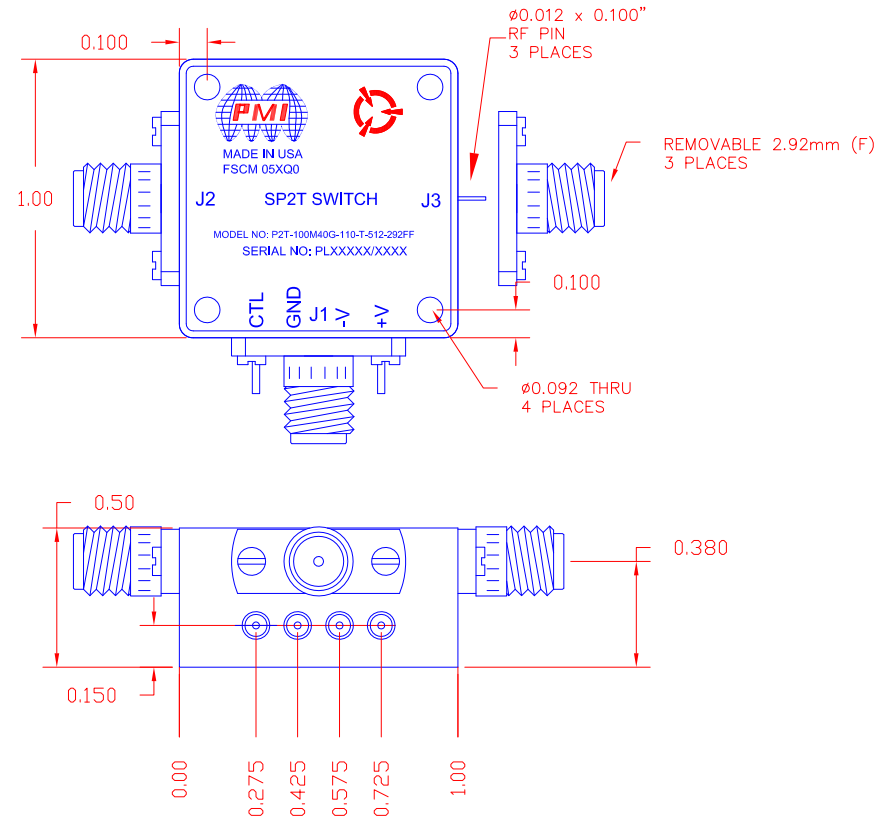
- TEMPERATURE: -40°C TO +85°C (OPERATING)
-55°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- SALT FOG: MIL-STD-202F, METHOD 107D COND. A
- FUNGUS: 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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	08/13/14	
	2	SPECS. UPDATED	01/16/15	
	A1	ECN # 15-0016	02/18/15	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN <i>VR</i>		08/13/14	PRODUCT FEATURE		
CHECKED			P2T-100M40G-110-T-512-292FF		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	27023205
			SCALE	N: S	SHEET 1 OF 1