

DESCRIPTION

PMI MODEL P2T-1M40G-55-T-292FF IS AN ABSORPTIVE, SINGLE POLE, TWO THROW FET SWITCH THAT OPERATES FROM 1MHZ TO 40 GHZ. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE: 1MHz to 40GHz
- ISOLATION: 55dB Typical, 40dB Minimum
- INSERTION LOSS: 6.5dB Typical
- VSWR IN / OUT: 2.5:1 Maximum
- SURVIVAL INPUT POWER: +20 dBm CW MAX
- INPUT P1dB: +14 dBm TYPICAL
- DELAY ON / OFF: 15ns Typical (50% TTL to 10%/90% RF)
- RISE/FALL TIME: 5ns Typical (10% to 90% RF & 90% to 10% RF)
- CONTROL SIGNAL: Single Line TTL
See Logic Table
- DC VOLTAGE: +12 to +15V @ 50mA Max.
-12 to -15V @ 50mA Max.
- CONNECTORS IN/OUT: 2.92mm FEMALE CONNECTORS
- FINISH: EPOXY PAINT BLUE
- SIZE: 1.0" X 1.0" X 0.5"

LOGIC TABLE

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

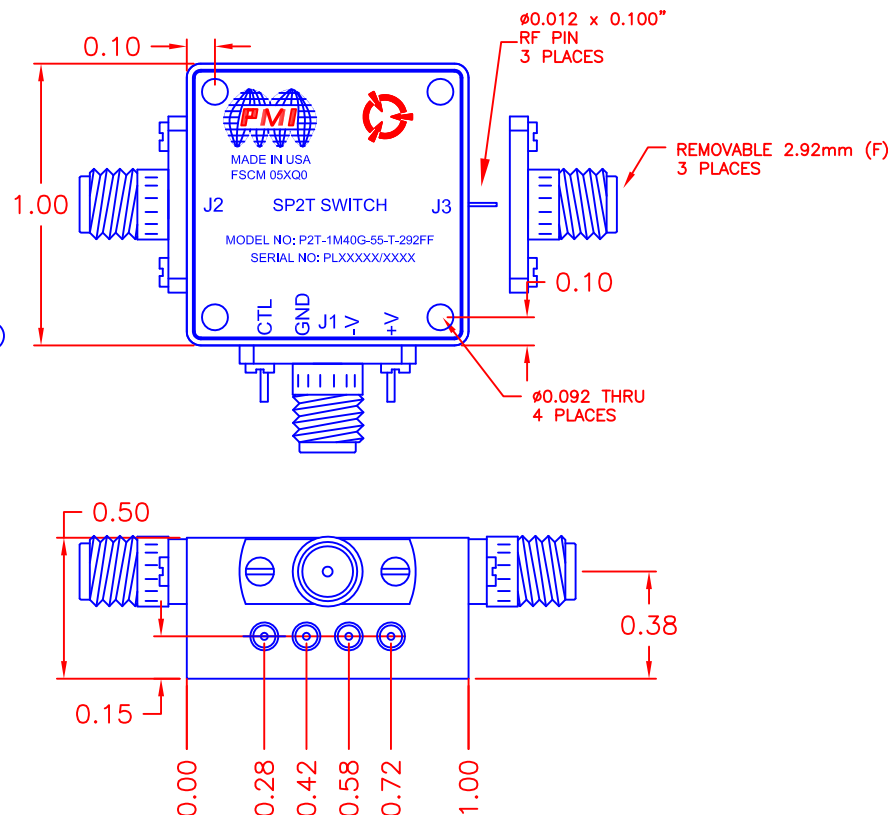
ENVIRONMENTAL RATINGS

- 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
- 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
	—	PRELIMINARY	10/20/14
	1	ADDED SURVIVAL POWER	11/6/14

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 K. MASON		10/20/14		PRODUCT FEATURE P2T-1M40G-55-T-292FF			
CHECKED				SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1
ISSUED				SCALE N:S	SHEET 1 OF 1		