

DESCRIPTION

PMI MODEL P2T-500M40G-60-T-55-292FF 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

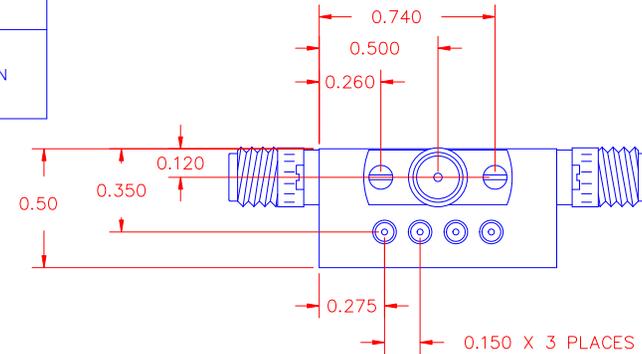
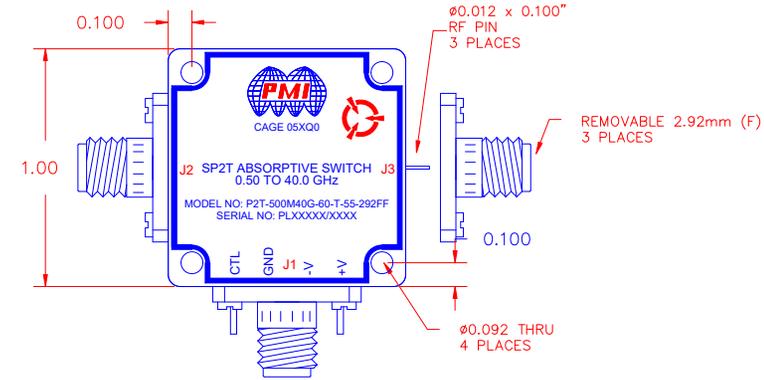
- FREQUENCY RANGE:0.5 TO 40 GHz
- ISOLATION:-55dB MIN
- INSERTION LOSS:6.0 dB MAX
- VSWR IN / OUT:2.5:1 TYP
- INPUT POWER:+20 dBm CW MAX
- SURVIVAL POWER:-1W PEAK 1 us
- RF SWITCHING SPEED:RISE: 15ns MAX
FALL: 15ns MAX
DELAY ON: 50ns MAX
DELAY OFF: 50ns MAX
- DC VOLTAGE:+5 V @ 200 mA MAX
-5 V @ 100 mA MAX
- CONTROL SIGNAL:TTL LOGIC
SEE LOGIC TABLE
- CONNECTORS IN/OUT:2.92mm FEMALE CONNECTORS
- CONTROL CONNECTORS:SOLDER PINS
- SIZE:(L) 1.0" X (W) 1.0" X (H) 0.5"
- FINISH:PAINTED GRAY

LOGIC TABLE

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	9/16/15	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- TEMPERATURE:-40°C TO +85°C (OPERATING)
-55°C TO +125°C (STORAGE)

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 ±0.010
X.XXX ±0.005

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ISO 9001:2008 CERTIFIED

APPROVALS		DATE	TITLE		
DRAWN GAB		9/16/15	OUTLINE DRAWING P2T-500M40G-60-T-55-292FF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27016616
ISSUED			SCALE N: S		REV. A1
					SHEET 1 OF 1