

DESCRIPTION

PMI MODEL P2T-500M40G-60-R-55-292FF IS A REFLECTIVE, 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

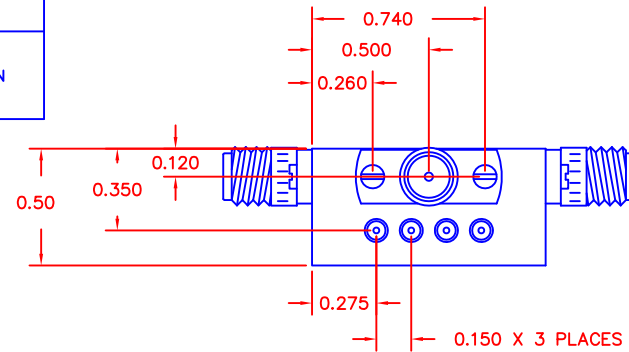
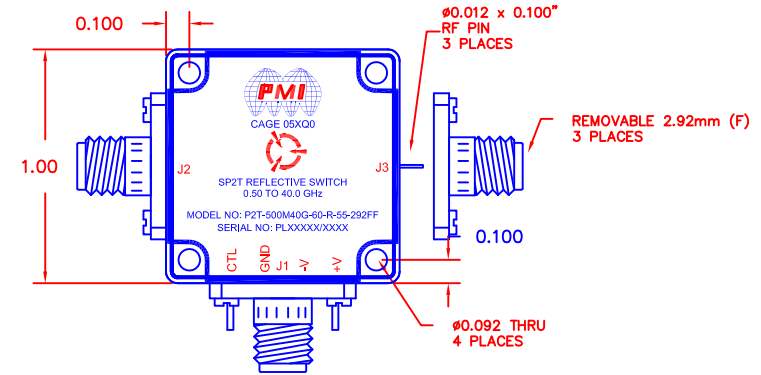
- FREQUENCY RANGE:0.5 TO 40 GHz
- ISOLATION:55 dB MIN
- INSERTION LOSS:5.5 dB TYP
- VSWR IN / OUT:2.5:1 TYP
- INPUT POWER:+20 dBm CW MAX
- SURVIVAL POWER:1W PEAK 1 us
- RF SWITCHING SPEED:RISE: 15 ns MAX
FALL: 15 ns MAX
DELAY ON: 50 ns MAX
DELAY OFF: 50 ns MAX
- DC VOLTAGE:+5 V @ 200 mA MAX
-5 V @ 100 mA MAX
- CONTROL SIGNAL:TTL LOGIC
SEE LOGIC TABLE
- CONNECTORS IN/OUT:2.92 mm FEMALE CONNECTORS
- CONTROL CONNECTORS:SOLDER PINS
- SIZE:(L) 1.0" X (W) 1.0" X (H) 0.5"
- FINISH:BLUE EPOXY POLIMIDE COATING
IAW MIL-C-22750, TYPE I OVER
EPOXY POLIMIDE PRIMER IAW
MIL-P-23377, TYPE I, CLASS
1 OR 3.

LOGIC TABLE

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	10/05/15	
	A1	ECN # 16-0150	10/24/16	

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 CW		10/05/15	OUTLINE DRAWING P2T-500M40G-60-R-55-292FF			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27027641	A1
			SCALE	N: S		SHEET 1 OF 1