

## DESCRIPTION

PMI MODEL P3T-500M26R5G-30-R-55-292FF IS A REFLECTIVE, SINGLE POLE, THREE THROW LOW LOSS PIN DIODE SWITCH THAT OPERATES OVER THE 0.5 GHZ TO 26.5 GHZ FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

## SPECIFICATIONS

- FREQUENCY RANGE: .....0.5 TO 26.5 GHz
- ISOLATION: .....30 dB MIN
- INSERTION LOSS: .....1.25 dB MAX
- VSWR IN / OUT: .....2.0 : 1 TYP
- INPUT POWER: .....+23 dBm MAX
- RF SWITCHING SPEED: .....100 ns MAX
- DC VOLTAGE: .....+5 V @ 200 mA TYP  
.....-5 V @ 100 mA TYP
- CONTROL SIGNAL: .....TTL LOGIC  
.....SEE LOGIC TABLE
- CONNECTORS IN/OUT: .....2.92mm FEMALE CONNECTORS
- CONTROL CONNECTORS: .....SOLDER PINS
- FINISH: .....BLUE EPOXY PAINT

LOGIC TABLE

CTL 1	CTL 0	J1 - J2	J1 - J3	J1 - J4
0	0	ON	OFF	OFF
0	1	OFF	ON	OFF
1	0	OFF	OFF	ON
1	1	OFF	OFF	OFF

## ENVIRONMENTAL RATINGS

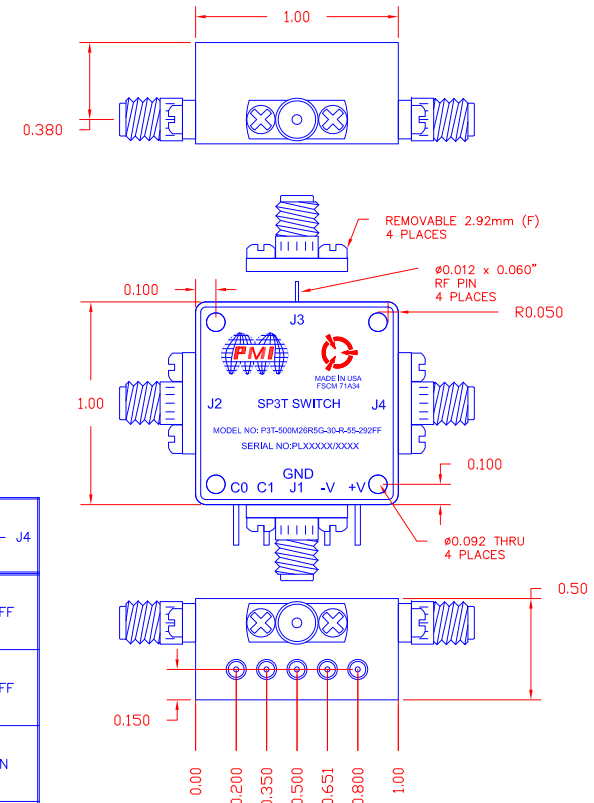
- TEMPERATURE: .....-40 °C TO +85 °C (OPERATING)  
.....-55 °C TO +125 °C (STORAGE)
- HUMIDITY: .....MIL-STD-202F, METHOD 103B COND. B
- SHOCK: .....MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: .....MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: .....MIL-STD-202F, METHOD 105C COND. B
- SALT FOG: .....MIL-STD-202F, 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
	-	PRELIMINARY	11/5/15	<i>sk</i>

## MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>JS</i>		11/5/15	OUTLINE DRAWING			
CHECKED			P3T-500M26R5G-30-R-55-292FF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	71A34	PRELIMINARY	-
			SCALE	N: S	SHEET	1 OF 1