

DESCRIPTION

PMI MODEL P3T-500M26R5G-30-R-55-292FF-OPT618 IS A REFLECTIVE, SINGLE POLE, THREE THROW LOW LOSS PIN DIODE SWITCH THAT OPERATES OVER THE 6.0 GHZ TO 18.0 GHZ FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE:6.0 TO 18.0 GHZ
- ISOLATION:30 dB MIN
- INSERTION LOSS:2.0 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

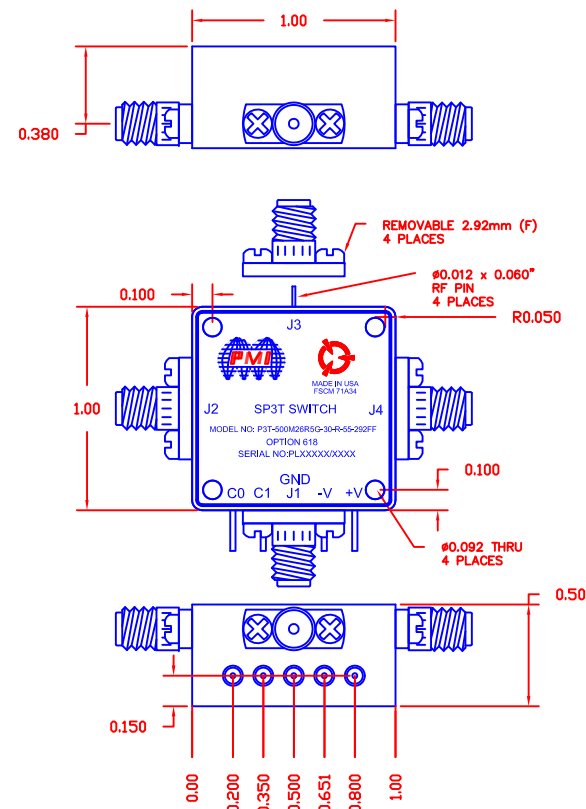
- TEMPERATURE:-40 °C TO +85 °C (OPERATING)
.....-55 °C TO +125 °C (STORAGE)
- HUMIDITY:MIL-STD-202F, METHOD 103B COND. B
- SHOCK:MIL-STD-202F, METHOD 213B COND. B
- VIBRATION:MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE:MIL-STD-202F, METHOD 105C COND. B
- SALT FOG:MIL-STD-202F, METHOD 107D COND. A
- 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
	1	ORIGINAL RELEASE	03/30/16	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

4921 ROBERT J MATHEWS PKWY, STE 1
EL DORADO HILLS, CALIFORNIA 95762
TEL: 916-542-1401 FAX: 916-265-2597
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>B. Thomas</i>		03/30/16	OUTLINE DRAWING P3T-500M26R5G-30-R-55-292FF OPTION 618			
CHECKED			SIZE A	FSCN NO. 05XQ0	DWG NO. 27029371	REV. 1
ISSUED			SCALE N: S		SHEET 1 OF 1	