

DESCRIPTION:

PMI MODEL NUMBER P5T-0R5G4G-60-T-SFF IS A SINGLE POLE, FIVE THROW NON-REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 0.5GHZ TO 4.0GHZ FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED. THS MODEL OFFERS LOW VIDEO TRANSIENT PERFORMANCE OF 50MV MAXIMUM.

SPECIFICATIONS:

- FREQUENCY: 0.5 GHz TO 4.0 GHz
- INSERTION LOSS (0.6 - 2.5GHz): 3.0dB MAXIMUM
- INSERTION LOSS (0.5 - 4.0GHz): 3.5dB MAXIMUM
- ISOLATION: 60dB MINIMUM
- VSWR: 2.0:1 MAXIMUM
- SPEED: ON/OFF - 50ns MAXIMUM
RISE/FALL - 15ns MAXIMUM
- POWER INPUT (OPERATING): +10dBm CW MAXIMUM
- VIDEO LEAKAGE: 50mV @ 350MHZ BW MAXIMUM (1)
- CONTROL: TTL LOGIC - SEE LOGIC TABLE
- POWER SUPPLY: +5V @ 250mA NOMINAL
-12V @ 100mA NOMINAL
- RF CONNECTORS: SMA FEMALE CONNECTORS
- DC CONNECTORS: SOLDER PINS
- SEALING: HERMETIC
- FINISH: PAINTED GRAY

- (1) After 50 nsec no video transient will be present
 (2) - Video filter is required on input and output ports.

LOGIC TABLE			
3 BIT DECODER			
E1	E2	E3	FUNCTION
0	0	0	J1-J2 "Low Loss"
0	0	1	J1-J3 "Low Loss"
0	1	0	J1-J4 "Low Loss"
0	1	1	J1-J5 "Low Loss"
1	0	0	J1-J6 "Low Loss"

ENVIRONMENTAL RATINGS:

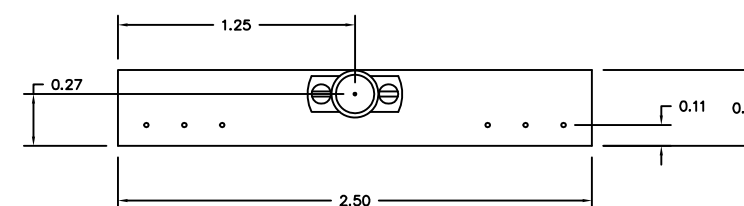
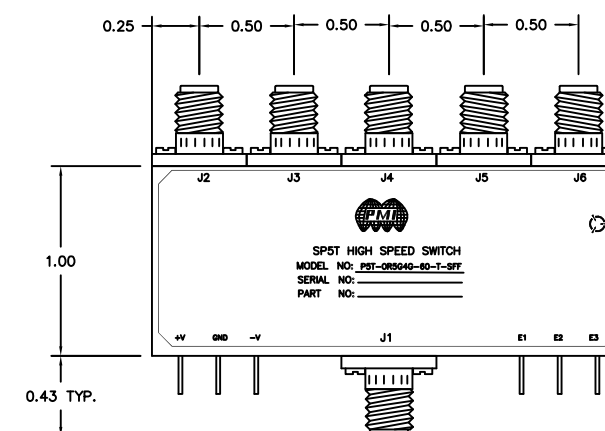
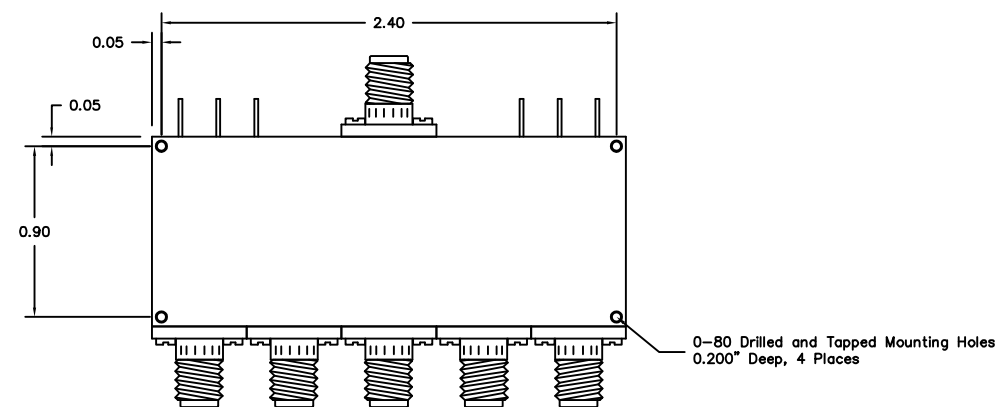
- TEMPERATURE: -45°C TO +90°C (OPERATING)
-54°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. C
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- SALT FOG: MIL-STD-202F, METHOD 101D+EST COND. B
- FUNGUS: MIL-STD-810F, METHOD 508.5

• EMI / EMC MIL-STD-461E

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:
 X.XX ±0.010
 X.XXX ±0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	Preliminary	6/3/10	



PLANAR MONOLITHICS INDUSTRIES, INC.
 7311-F GROVE ROAD
 FREDERICK, MARYLAND 21704 USA
 TEL: 301-662-5019 FAX: 301-662-1731
 WEBSITE: www.pmi-rf.com
 E-MAIL: sales@pmi-rf.com
 ISO 9001:2008 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>KM</i>		6/3/10	PRODUCT FEATURE			
CHECKED			P5T-0R5G4G-60-T-SFF-DEC			
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
			SCALE N:S			SHEET 1 OF 1