

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 VIDEOD 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
 - VIDEOD LEAKAGE: 50mV @ 350MHZ BW MAXIMUM (1)
 - CONTRLO: 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.

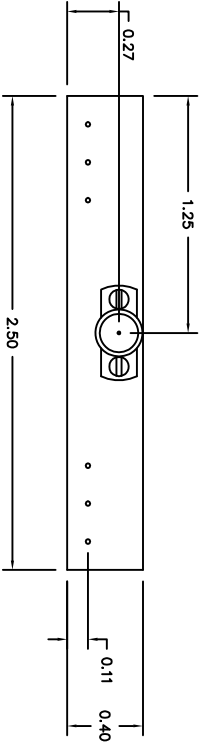
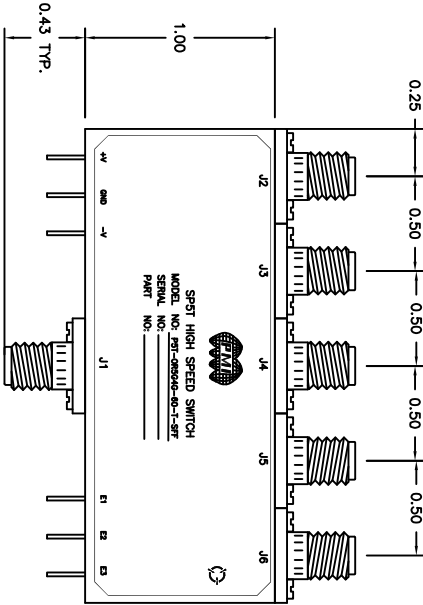
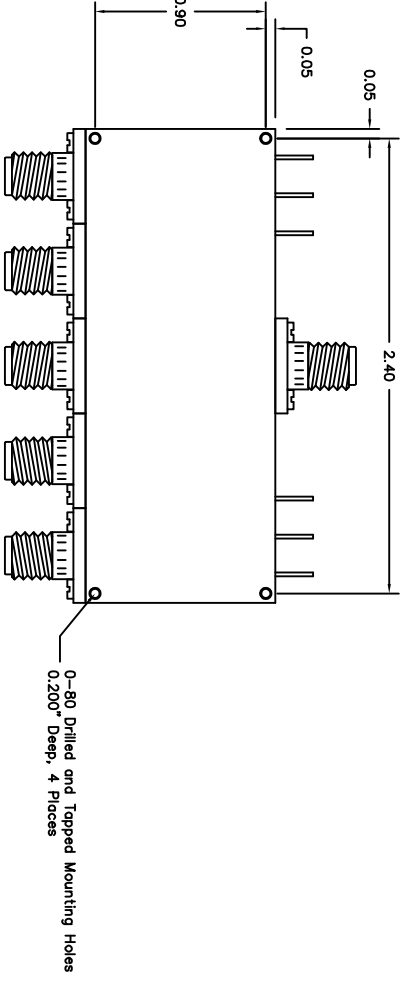
ENVIRONMENTAL RATINGS:

- 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, METHODD 508.5

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'

- EMI / EMC: MIL-STD-461E
- NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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



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APPROVALS		DATE		TITLE			
DRAWN		6/3/10		PRODUCT FEATURE			
CHECKED				P5T-0R5G4G-60-T-SFF-DEC			
ISSUED							

SIZE	FSCM NO.	DWG NO.	REV.
A	05X00	PRELIMINARY	–

SCALE N:S

SHEET 1 OF 1