

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 - 4GHz): . . . 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 - "1" = "LOW LOSS"
TTL LOGIC - "0" = "ISOLATION"
PINS E1 thru E5 ARE PULLED LOW "0"
- 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:

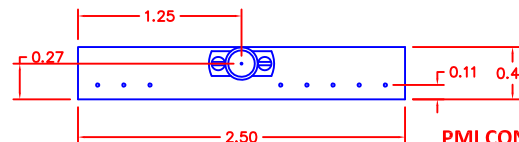
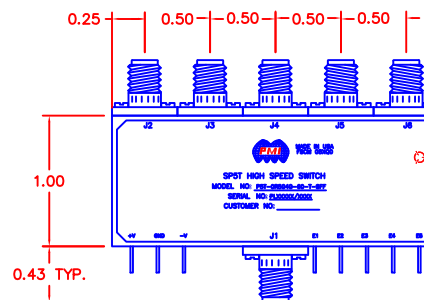
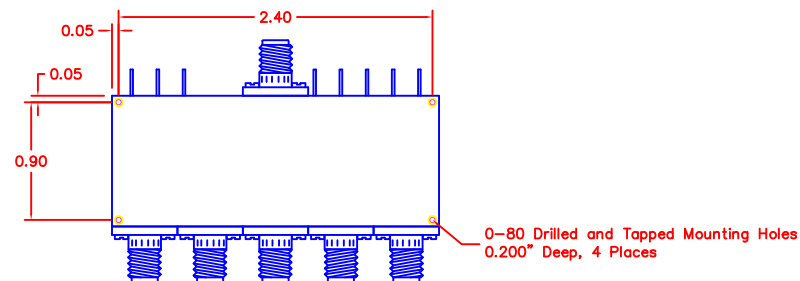
- TEMPERATURE: -45°C TO +90°C (OPERATING)
-54°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. C
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- SALT FOG: MIL-STD-202F, METHOD 101D+EST COND. B
- FUNGUS: MIL-STD-810F, METHOD 508.5
- EMI / EMC: MIL-STD-461E

Note: Environmental testing and ESS will be met, but actual testing is not done by PMI
Actual screening is available for an additional charge.

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	6/8/10	
	B1	MOUNTING HOLES 0.200 DEEP	9/9/10	
	C1	SPEC CHANGES	12/21/10	
	C2	ECN # 13-0125	08/22/13	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE	
DRAWN		DATE		PRODUCT FEATURE	
CHECKED		DATE		P5T-0R5G4G-60-T-SFF	
ISSUED		DATE		P5T-0R5G4G-60-T-SFF	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27013322-C	
SCALE		N:S		SHEET	
1 OF 1		1 OF 1		1 OF 1	