DESCRIPTION:

PMI MODEL NUMBER P5T-0R5G4G-60-T-SFF-SP 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"
  *SURGE PROTECTION INCLUDED ON TTL LINES
- POWER SUPPLY:———————— +5V @ 250mA NOMINAL
  -12V @ 100mA NOMINAL
- RF CONNECTORS:————————— SMA FEMALE CONNECTORS
- DC CONNECTORS:————————— SOLDER PINS
- SEALING:—————————————— UNLESS OTHERWISE SPECIFIED, PMI WILL SUPPLY EPOXY SEAL
- FINISH:——————————————— BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

(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
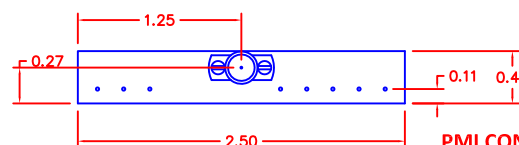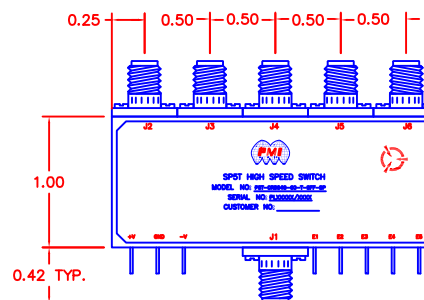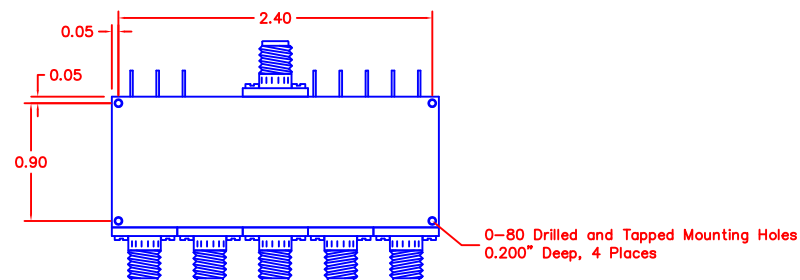- FUNGUS: ——————————————— MIL-STD-810F, METHOD 508.5
- EMI / EMC——————— MIL-STD-461E

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

NOTE: CHANGES TO DRAWING OR SPECIFICATIONS MUST BE APPROVED BY THE END USER

0-80 Drilled and Tapped Mounting Holes
0.200" Deep, 4 Places

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED

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

APPROVALS	DATE		**TITLE**	PRODUCT FEATURE	
DRAWN KM	6/8/10			P5T-0R5G4G-60-T-SFF-SP	
CHECKED CW	10/27/17		SIZE A	FSCM NO. 05XQ0	DWG NO. 27033681	REV. A3
ISSUED			SCALE N:S		SHEET 1 OF 1