

DESCRIPTION:

PMI MODEL NUMBER P3T-2G18G-60-T-SFF IS A SINGLE POLE, THREE THROW NON-REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 2.0GHZ TO 18.0GHZ FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED. THIS MODEL OFFERS LOW VIDEOD TRANSISENT PERFORMANCE OF 20MV MAXIMUM.

SPECIFICATIONS:

- FREQUENCY: 2.0 GHZ TO 18.0 GHZ
 - INSERTION LOSS: 3.2dB MAXIMUM
 - ISOLATION: 55dB MINIMUM
 - VSWR: 2.0:1 MAXIMUM
 - SPEED: ON/OFF - 50ns MAXIMUM
 - POWER INPUT (OPERATING): 200mw CW MAXIMUM
 - VIDEOD LEAKAGE: 20mV @ 350MHZ BW MAXIMUM (1)
 - CONTRLO: TTL LOGIC - "0" = "LOW LOSS"
TTL LOGIC - "1" = "ISOLATION"
PINS E1, E2, and E3 ARE PULLED LOW "0"
 - POWER SUPPLY: +5V @ 110 mA NOMINAL
-12V @ 90 mA 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:

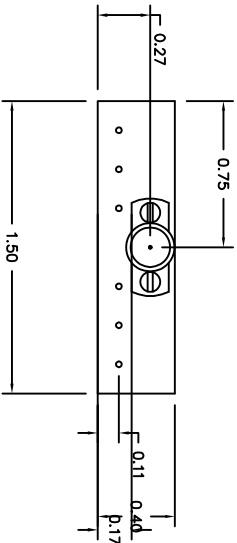
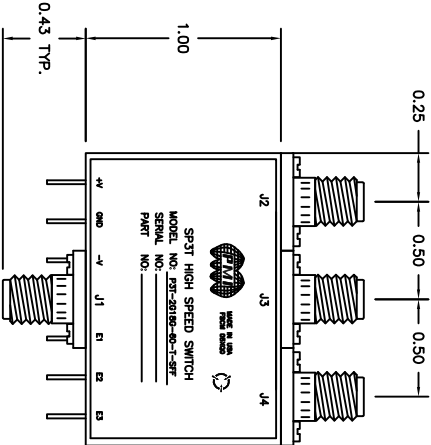
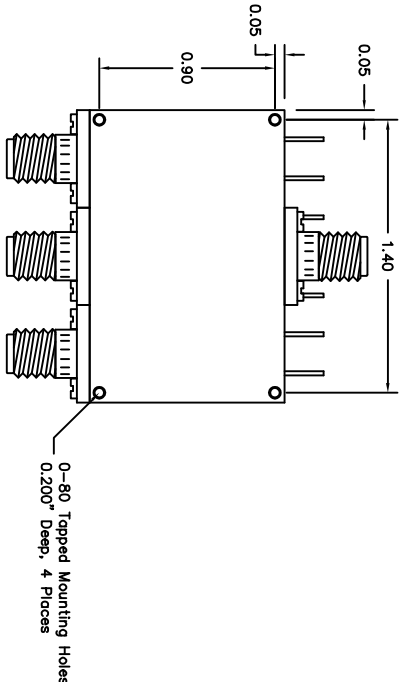
- TEMPERATURE: -54°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. C
- VIBRATION: MIL-STD-202F, METHOD 204D COND. G
- SALT FOG: MIL-STD-202F, METHOD 101D+EST COND. B
- FUNGUS: MIL-STD-810F, METHOD 508.5

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: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

| REVISIONS | | | | |
|-----------|------|---------------------------|--------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | A | ORIGINAL RELEASE | 7/7/10 | |
| | B | MOUNTING HOLES 0.200 DEEP | 9/9/10 | |
| | C | ISOLATION SPEC. CHANGE | 1/6/11 | |



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ISD 9001:2008 CERTIFIED



TITLE

PRODUCT FEATURE

APPROVALS

DATE

DRAWN

7/7/10

CHECKED

ISSUED

SIZE

FSCM NO.

DWG NO.

REV.

A

05X00

27013362

C

SCALE

N:S

SHEET

1 OF 1