# DESCRIPTION

THE MODEL P8T-2G6G-90-T-55-SFF IS A HIGH SPEED, SINGLE POLE, EIGHT THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 100ns. THE FREQUENCY RANGE IS 2 TO 6 GHz AND THIS SWITCH HAS 90dB OF ISOLATION.

# SPECIFICATIONS

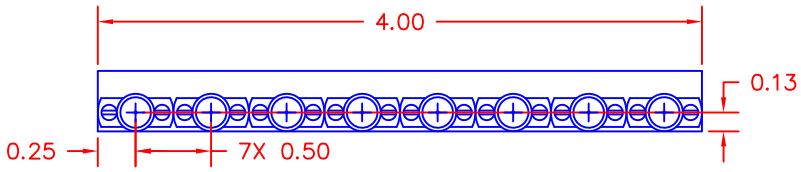
- FREQUENCY RANGE: ..... 2 TO 6 GHz
- ISOLATION ..... 90dB MIN
- INSERTION LOSS ..... 3.5dB Typ
- VSWR IN/OUT ..... 2.0:1 MAX
- OPERATING INPUT POWER ..... +23dBm CW Max
- SWITCHING SPEED ..... 100 ns MAX
- DC VOLTAGE AND CURRENT ... +5VDC @ 400mA
  −5VDC @ 100mA
- CONTROL SIGNAL ..... EIGHT LINE TTL
  E1 CONTROLS J1−J2
  E2 CONTROLS J1−J3
  E3 CONTROLS J1−J4
  E4 CONTROLS J1−J5
  E5 CONTROLS J1−J6
  E6 CONTROLS J1−J7
  E7 CONTROLS J1−J8
  E8 CONTROLS J1−J9
  "0" ISOLATION
  "1" INSERTION LOSS
- CONNECTORS ..... SMA (F)
- FINISH ..... GOLD PLATED
- SIZE ..... 4.0" X 1.5" X 0.4"

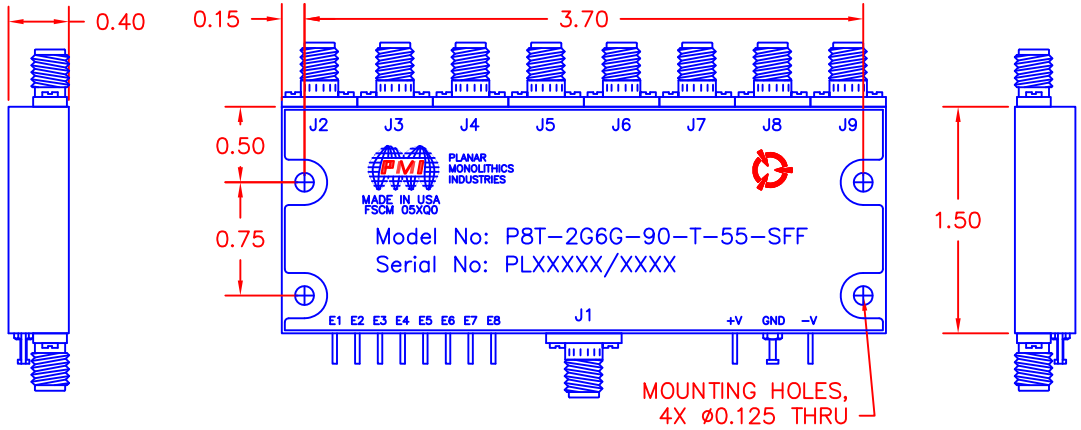
## ENVIRONMENTAL RATINGS

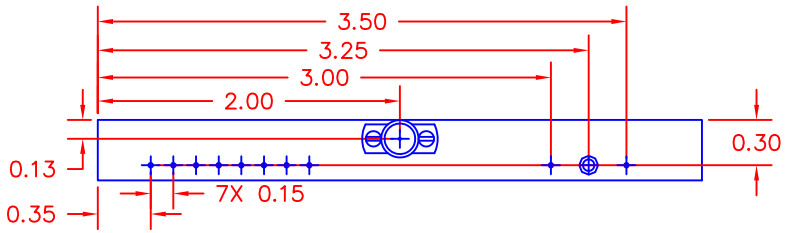
- **TEMPERATURE:** ..... −54°C TO +95°C (OPERATING)
  −65°C TO +125°C (STORAGE)
- **HUMIDITY:** ..... MIL−STD−202F, METHOD 103B COND. B
- **SHOCK:** ..... MIL−STD−202F, METHOD 213B COND. B
- **VIBRATION:** ..... MIL−STD−202F, METHOD 204D COND. B
- **ALTITUDE:** ..... MIL−STD−202F, METHOD 105C COND. B
- **TEMPERATURE CYCLE:** .... MIL−STD−202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

| REVISIONS | | | | |
|---|---|---|---|---|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | 1 | ORIGINAL RELEASE | 01/14/13 | |
| | A1 | ECN # 13−0065 | 06/19/13 | |




ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010
WEIGHT: 2.75 oz.

**PMI CONFIDENTIAL AND PROPRIETARY**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| APPROVALS | DATE |
|---|---|
| DRAWN sfk | 01/14/13 |
| CHECKED | |
| ISSUED | |

TITLE: PRODUCT FEATURE
P8T−2G6G−90−T−55−SFF
2 TO 6 GHz HIGH SPEED SWITCH 8 THROW

| SIZE | FSCM NO. | DWG NO. | REV. |
|---|---|---|---|
| A | 05XQ0 | 27018271 | A1 |

SCALE N:S SHEET 1 OF 1