

DESCRIPTION

PMI MODEL P2T-18G40G-65-R-292FF IS A SINGLE POLE, TWO THROW PIN DIODE SWITCH THAT OPERATES OVER THE 18GHz TO 40GHz FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE: _____ 18GHz TO 40GHz
- ISOLATION: _____ 65dB Min (18-26.5GHz)
55dB Min (26.5-40GHz)
- INSERTION LOSS: _____ 3.5dB Max (18-26.5GHz)
4.5dB Max (26.5-40GHz)
- VSWR (ON POSITION) _____ 2.3:1 Max (18-26.5GHz)
2.5:1 Max (26.5-40GHz)
- SWITCHING SPEED: _____ 100ns MAX.
- RF POWER CAPABILITY _____ +20dBm Max (+30dBm Damage Level)
- DC SUPPLY: _____ + 5VDC @ 75mA Typ
-12VDC @ 50mA Typ
- CONTROL SIGNAL: _____ LOW "0" - ON
HIGH "1" - OFF
J1-J2 - ON (LGC1 "0", LGC2 "1")
J1-J3 - ON (LGC1 "1", LGC2 "0")
- CONNECTORS IN/OUT: _____ 2.92mm FEMALE CONNECTORS
- CONTROL CONNECTORS: _____ SMC MALE
- SIZE: _____ (L) 1.2" X (W) 0.95" X (H) 0.46"
- FINISH: _____ GRAY EPOXY POLIMIDE COATING IAW MIL-C-22750,
TYPE I OVER EPOXY POLIMIDE PRIMER
IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

ENVIRONMENTAL RATINGS

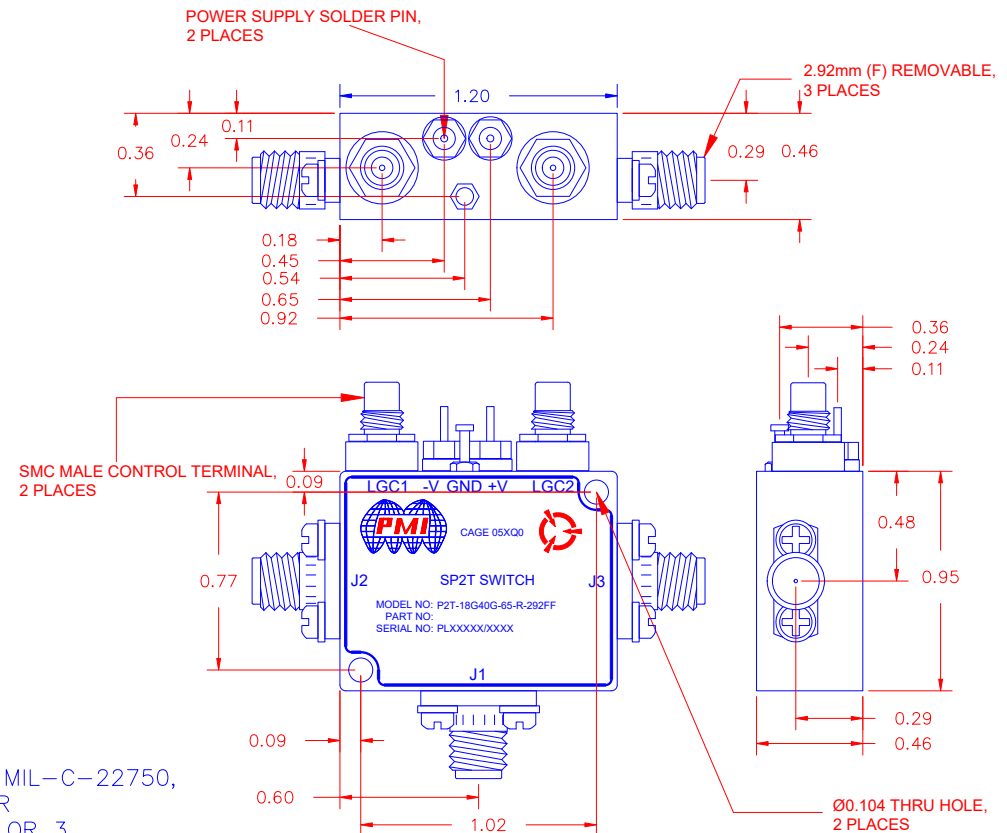
- TEMPERATURE: _____ -65°C TO +110°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: _____ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: _____ MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: _____ MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: _____ MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: _____ MIL-STD-202F, METHOD 107D

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

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

| REVISIONS | | | | |
|-----------|------|------------------|----------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | A1 | ORIGINAL RELEASE | 05/11/11 | |
| | A2 | ECN # 13-0036 | 05/08/13 | |

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



| APPROVALS | | DATE | TITLE | | | REV. |
|------------------|--|----------|-----------------------|----------|----------|--------|
| DRAWN <i>sfk</i> | | 05/11/11 | PRODUCT FEATURE | | | |
| CHECKED | | | P2T-18G40G-65-R-292FF | | | |
| ISSUED | | | SIZE | FSCM NO. | DWG NO. | |
| | | | A | 05XQ0 | 27014761 | A2 |
| | | | SCALE | N: S | SHEET | 1 OF 1 |