

DESCRIPTION

PMI MODEL: P4T-0R3G18G-70-T-SFF IS A SINGLE POLE FOUR THROW ABSORPTIVE SWITCH. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS.

SPECIFICATIONS

- FREQUENCY RANGE:..... 0.3 TO 18.0 GHz
- INSERTION LOSS:..... 3.75 dB MAX
- ISOLATION:..... 0.3 GHz TO 2 GHz: 60 dB MIN
2 GHz TO 18 GHz: 70 dB MIN
- VSWR:..... IN / OUT: 2.0:1 Typ
TERMINATED OUT: 2.0:1 Typ
- RISE/FALL TIME:..... 10 ns TYPICAL, 15 ns MAX
- DELAY ON/OFF:..... 75 ns TYPICAL, 100 ns MAX
- INPUT POWER:..... +20 dBm CW MAX
- SURVIVAL POWER:..... 1 WATT CW MAX (+30 dBm)
10 WATTS PEAK 1 μ s PULSE,
1% DUTY CYCLE
- CONTROL:..... TTL CONTROL – SEE LOGIC TABLE
- POWER SUPPLY:..... +5VDC @ 65 mA MAX
-5VDC @ 50 mA MAX
- CONNECTORS IN/OUT:..... SMA (F) REMOVABLE
- CONTROL CONNECTORS:..... SOLDER PINS
- SIZE:..... (L) 1.25" X (W) 1.25" X (H) 0.70"
- FINISH:..... GOLD PLATED

ENVIRONMENTAL RATINGS

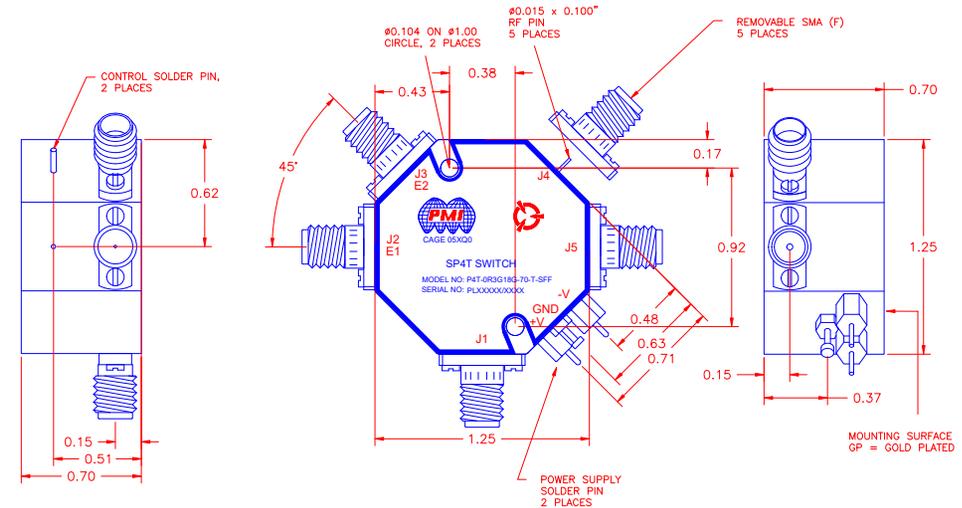
- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202G, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202G, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202G, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202G, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202G, METHOD 107G COND. A

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 \pm 0.020
X.XXX \pm 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	09/01/16	
	A1	ECN #: 17-0016	02/07/17	

MECHANICAL OUTLINE



LOGIC TABLE

2 BIT DECODER

E1	E2	FUNCTION
0	0	J1-J2 "Low Loss"
0	1	J1-J3 "Low Loss"
1	0	J1-J4 "Low Loss"
1	1	J1-J5 "Low Loss"

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN <i>B. Thomas</i>		9/01/16	PRODUCT FEATURE P4T-0R3G18G-70-T-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27030421
ISSUED			SCALE N:S		SHEET 1 OF 1
					REV. A1