

DESCRIPTION

PMI MODEL: P4T-0R1G20G-100-T-SFF-ROHS IS A SINGLE POLE FOUR THROW ABSORPTIVE SWITCH. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS.

SPECIFICATIONS

- FREQUENCY RANGE:..... 0.1 TO 20.0 GHz
- INSERTION LOSS:..... 5.0dB MAX
- ISOLATION:..... 110dB MIN
- VSWR (ON/OFF):..... 2.0:1 MAX
- SWITCHING SPEED:..... 300 ns (10% - 90% RF)
- CONTROL LOGIC:..... TTL LOGIC "0" = ON, "1" = OFF
- SURVIVAL POWER:..... +30 dBm (1 WATT)
- OPERATING POWER:..... +20 dBm MAX
- RF PHASE TRACKING:..... 2 DEGREES PER °C
(ALL PORTS WITH RESPECT TO COMMON WITH TEMPERATURE)
- DC SUPPLY:..... + 5VDC @ 200mA MAX
-12VDC @ 100mA MAX
- CONNECTORS IN/OUT:..... SMA (F) REMOVABLE
- CONTROL CONNECTORS:..... CONTROL PINS
- SIZE:..... (L) 1.25" X (W) 1.25" X (H) 0.70"
- WEIGHT:..... 1.5oz
- 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

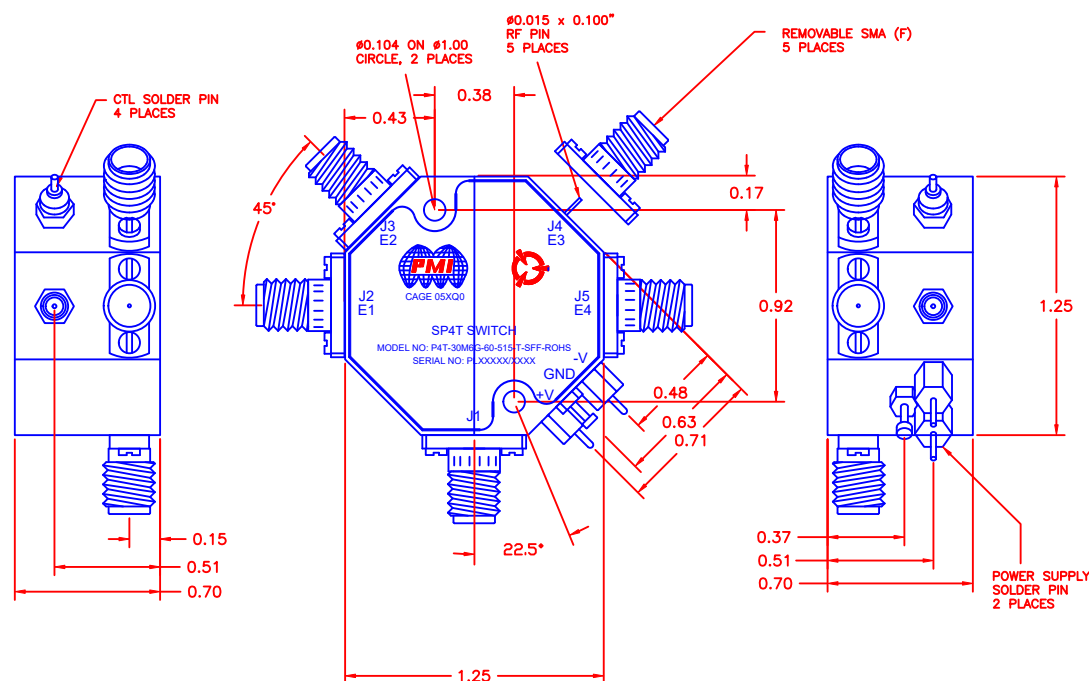
- TEMPERATURE:..... 0°C TO + 55°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202G, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202G, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202G, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202G, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202G, 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 ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	08/20/20	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		sfk		OUTLINE	
CHECKED				P4T-0R1G20G-100-T-SFF-ROHS	
ISSUED					
SCALE		N:S		SHEET	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27039820	
				REV.	
				A1	
				1 OF 1	