

DESCRIPTION

PMI MODEL P1T-500M18G-80-R-SFF-SW21841A IS A REFLECTIVE, HIGH SPEED, SINGLE POLE SINGLE THROW SWITCH OPERATING OVER THE FREQUENCY RANGE OF 500 MHz TO 18 GHz AND MEETING THE FOLLOWING SPECIFICATIONS.

SPECIFICATIONS

- FREQUENCY RANGE: _____ 500 MHz TO 18 GHz
- ISOLATION: _____ 45dB MIN (0.5 to 1.0GHz)
70dB MIN (1.0 to 2.0GHz)
85dB MIN (2.0 to 12.4GHz)
80dB MIN (12.4 to 18.0GHz)
- INSERTION LOSS: _____ 1.0dB MAX (0.5 to 2.0GHz)
1.2dB MAX (2.0 to 4.0GHz)
1.5dB MAX (4.0 to 8.0GHz)
2.0dB MAX (8.0 to 12.4GHz)
2.5dB MAX (12.4 to 18.0GHz)
- VSWR IN / OUT: _____ 1.4:1 Max (0.5 to 4.0GHz) "On Position"
1.6:1 Max (4.0 to 8.0GHz) "On Position"
1.9:1 Max (8.0 to 18.0GHz) "On Position"
- INPUT POWER: _____ 2W Average, 10W Peak @ 1usec PW
- RISE / FALL TIME: _____ 2 ns MAX
(10% TO 90% RF & 90% TO 10% RF)
- DELAY ON / OFF: _____ 20 ns MAX
(50% TO 10% / 90% RF)
- DC VOLTAGE: _____ +15VDC, 100mA
-15VDC, 45mA
- CONTROL SIGNAL: _____ TTL COMPATIBLE
"0" = ISOLATION
"1" = INSERTION LOSS
- CONTROL CONNECTOR: _____ SMC MALE
- CONNECTORS IN/OUT: _____ SMA(F)
- SIZE: _____ (L) 1.97" X (W) 0.792" X (H) 0.53"
- FINISH: _____ PAINTED BLUE

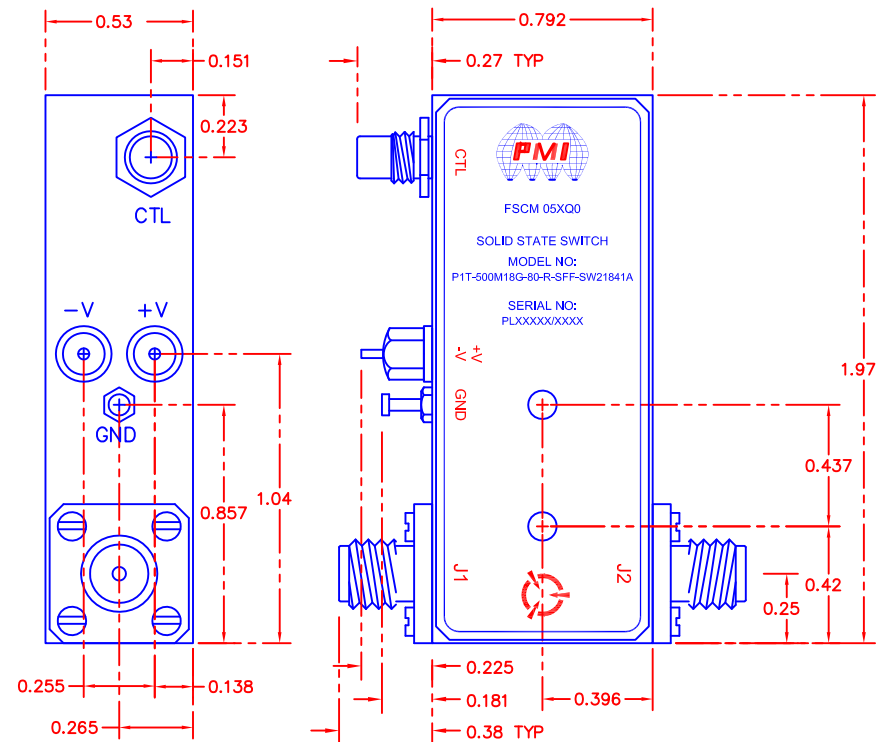
ENVIRONMENTAL RATINGS

- TEMPERATURE:** -55°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. B
- VIBRATION:** MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE:** MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:** MIL-STD-202F, METHOD 107

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	01/20/16	
	A1	ECN # 16-0206	12/16/16	
	B1	ECN # 17-0053	08/22/17	
	B2	ECN # 23-0038	2/23/23	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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

APPROVALS		DATE	TITLE			
DRAWN <i>B. Thomas</i>		01/20/16	PRODUCT FEATURE P1T-500M18G-80-R-SFF-SW21841A			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27029121	REV. B2
ISSUED			SCALE N: S		SHEET 1 OF 1	