

DESCRIPTION

PMI MODEL P4T-16-80-T-55-SFF IS AN ABSORPTIVE, HIGH SPEED, SINGLE POLE FOUR THROW SWITCH. THE FREQUENCY RANGE IS 1.0 GHz TO 6.0 GHz. THIS SWITCH HAS MORE THAN 80 dB OF ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE:* _____ 1.0 GHz TO 6.0 GHz
- IMPEDANCE: _____ 50 Ω
- INPUT POWER:* _____ +40dBm (10W) MAX (PEAK)
+30dBm (1W) MAX (AVERAGE - CW)
- VSWR:* _____ 1.8:1 MAX
- INSERTION LOSS:* _____ 1.5dB GOAL / 2.0dB MAX
- ISOLATION:* _____ 80dB MIN
- SWITCHING SPEED:* _____ 200ns MAX
- DC VOLTAGE:* _____ +5VDC (+/-5%), 200mA TYP.
-5VDC (+/-5%), 100mA TYP.
- CONTROL: _____ SOLDER PIN
TTL Logic "0" = Low Loss
TTL Logic "1" = Isolation
E1 Controls J1 - J2
E2 Controls J1 - J3
E3 Controls J1 - J4
E4 Controls J1 - J5
- CONNECTORS IN/OUT: _____ SMA (F)
- FINISH: _____ BLUE EPOXY POLIMIDE COATING IAW
MIL-C-22750, TYPE I OVER EPOXY
POLIMIDE PRIMER IAW MIL-P-23377,
TYPE I, CLASS 1 OR 3.

DATA PACKAGE

- RESULTS OF TEST PARAMETERS LISTED ABOVE MUST BE PROVIDED AT ROOM TEMPERATURE *

ENVIRONMENTAL RATINGS

- TEMPERATURE: _____ -55°C TO + 85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: _____ 98% (65 DEGREES C) RH OR LESS - 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

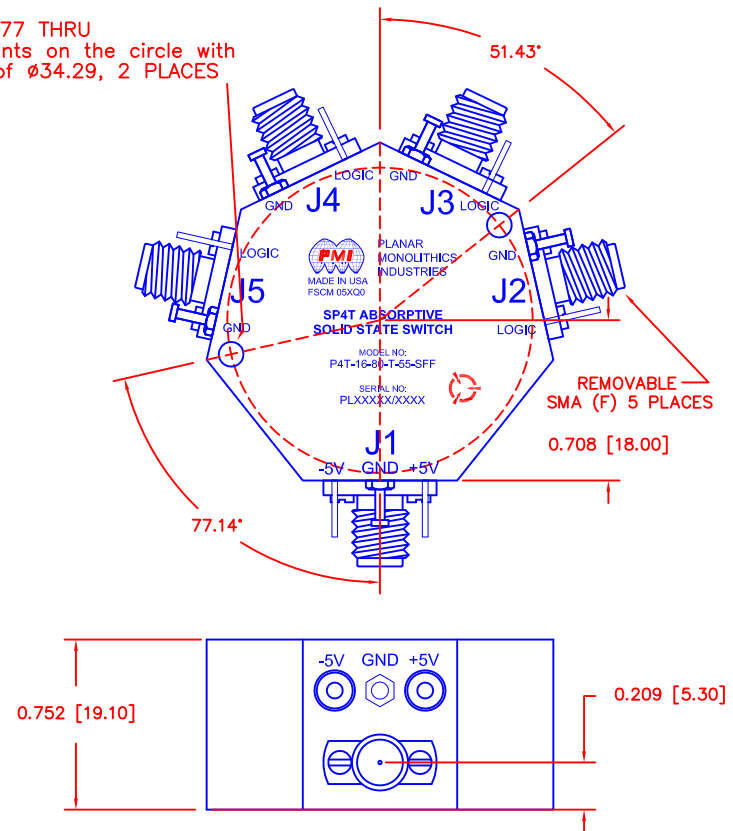
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	9/15/21	

MECHANICAL OUTLINE

∅2.77 THRU
Place 2 points on the circle with
a radius of ∅34.29, 2 PLACES



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>SPH</i>		2/27/21	OUTLINE P4T-16-80-T-55-SFF			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27042300	REV. A1
ISSUED			SCALE N:S	SHEET 1 OF 1		