

DESCRIPTION

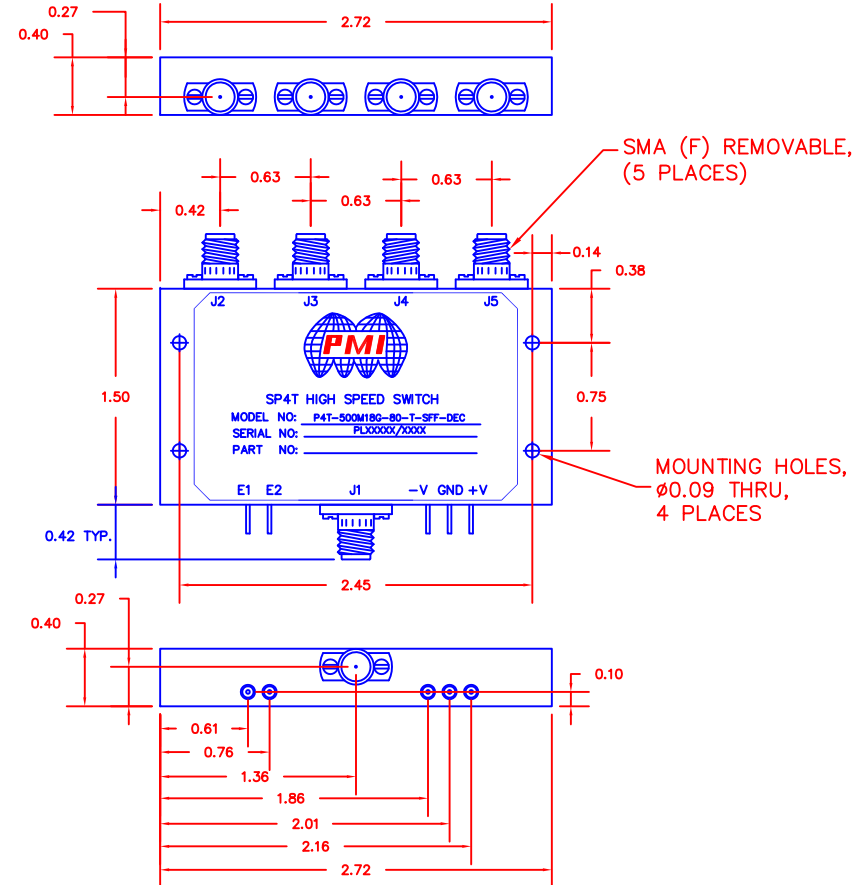
PMI MODEL NUMBER: P4T-500M18G-80-T-SFF-DEC IS A 500MHz TO 18GHz, SINGLE POLE, FOUR THROW, ABSORPTIVE SWITCH. THIS SWITCH OFFERS 80dB OF PORT TO PORT ISOLATION, AND A MAXIMUM INSERTION LOSS OF 3.75 dB. IT HAS A SWITCHING SPEED OF 25ns WITH A 2 PIN DECODED TTL CONTROLLER. THE OPERATING POWER IS +20dBm CW AND THE VSWR IS 2:1 MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: _____ 500 MHz TO 18 GHz
- INSERTION LOSS: _____ 3.75 dB MAX
- ISOLATION: _____ 80 dB TYP
- VSWR: _____ 2.0: 1 MAX
- SWITCHING SPEED: _____ 50% TTL TO 10%/90% RF
25 ns TYP
- INPUT POWER: _____ +20 dBm CW
- SURVIVAL POWER: _____ +23 dBm CW
- CONTROL SIGNAL: _____ TTL DECODED LOGIC
SEE LOGIC TABLE
- POWER SUPPLY: _____ +5 V @ 200 mA MAX
-5 V @ 100 mA MAX
- RF CONNECTORS: _____ SMA FEMALE
- CONTROL, POWER, AND GROUND: _____ FEEDTHRU - ϕ 0.030 TYP
- SIZE: _____ (L) 2.72" X (W) 1.5" X (H) 0.4"
- FINISH: _____ GOLD PLATED

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"

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	6/30/14	



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- TEMPERATURE: _____ -40°C TO +85°C (OPERATING)
-55°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 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

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APPROVALS		DATE	TITLE			
DRAWN NJA		6/30/14	PRODUCT FEATURE P4T-500M18G-80-T-SFF-DEC			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1
ISSUED			SCALE N: S	SHEET 1 OF 1		