

DESCRIPTION

PMI MODEL P2T-2G18G-60-T-SFF-PM-I IS AN ABSORPTIVE, HIGH SPEED, SINGLE POLE TWO THROW SWITCH CAPABLE OF SWITCHING WITHIN 100 ns MAXIMUM. THE FREQUENCY RANGE IS 2.0 GHz TO 18.0 GHz. THIS SWITCH HAS 60 dB ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: _____ 2.0 GHz TO 18.0 GHz
 - IMPEDANCE: _____ 50 Ω
 - INPUT POWER: _____ +30dBm MAX (SURVIVAL)
+20dBm MAX (OPERATING)
 - VSWR: _____ 2.0:1 MAX
 - INSERTION LOSS: _____ 3.0dB MAX
 - PHASE MATCHING: _____ 5 Degrees MAX
 - ISOLATION: _____ 60dB MIN
 - SWITCHING SPEED: _____ 100ns MAX
 - DC VOLTAGE: _____ +5VDC, 100mA MAX.
-15VDC, 100mA MAX.
 - CONTROL: _____ SOLDER PIN
TTL COMPATIBLE – SEE LOGIC TABLE
 - CONNECTORS IN/OUT: _____ SMA (F)
 - SIZE: _____ (L) 1.0" X (W) 1.0" X (H) 0.4"
 - _____ BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.
- *SPECIFICATIONS ARE NOT APPLICABLE WHEN THE SWITCH IS IN THE ALL ON OR ALL OFF SETTINGS

LOGIC TABLE

CTL1	CTL2	J1 - J2	J1 - J3
0	0	OFF	OFF
0	1	OFF	ON
1	0	ON	OFF
1	1	ON	ON

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

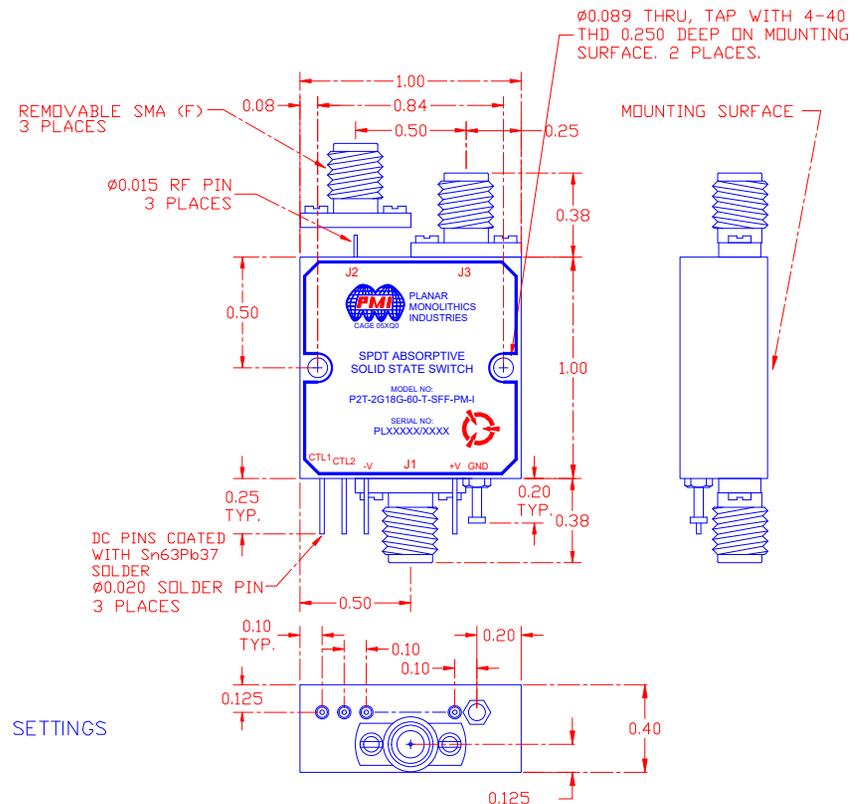
ENVIRONMENTAL RATINGS

- 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 107D COND. A

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	04/13/20	
	B1	ECN # 25-0258	09/08/25	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN <i>B. Thomas</i>		10/14/15	PRODUCT FEATURE		
CHECKED <i>S.M.J.</i>		04/13/20	P2T-2G18G-60-T-SFF-PM-I		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	27038420
			SCALE	N: S	SHEET 1 OF 1
					REV. B1