

DESCRIPTION

PMI MODEL P2T-2G6G-75-T-SFF-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 6.0 GHz. THIS SWITCH HAS 75 dB ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: _____ 2.0 GHz TO 6.0 GHz
- IMPEDANCE: _____ 50 Ω
- INPUT POWER: _____ +30dBm MAX (SURVIVAL)
+20dBm MAX (OPERATING)
- INPUT VSWR: _____ 2.0:1 MAX
- INSERTION LOSS: _____ 1.5dB MAX
- ISOLATION: _____ 75dB 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"
- 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.

*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	ON	ON
0	1	ON	OFF
1	0	OFF	ON
1	1	OFF	OFF

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

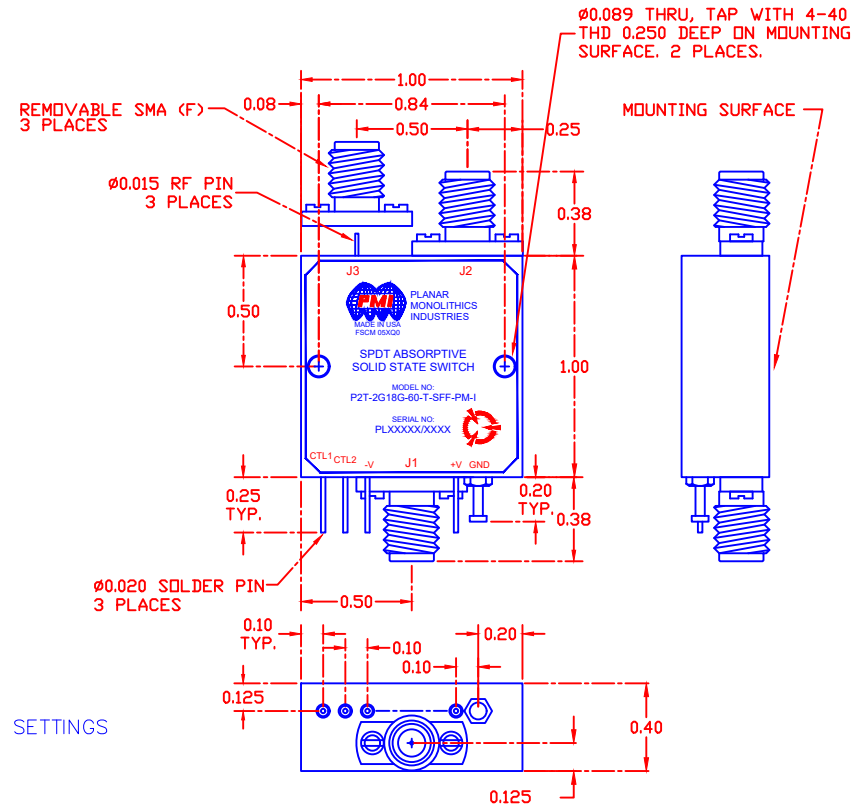
ENVIRONMENTAL RATINGS

- 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	7/15/20	
	A2	ECN # 21-0084	5/11/21	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>B. Thomas</i>		10/14/15	PRODUCT FEATURE P2T-2G6G-75-T-SFF-I		
CHECKED <i>S.M.H.</i>		7/15/20	SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	27039220
			SCALE	N: S	SHEET 1 OF 1
					REV. A2