

DESCRIPTION

PMI MODEL P22T-0R5G18G-60-T-SFF-OPT7G8G IS AN ABSORPTIVE, SINGLE POLE TWENTY TWO WAY, HIGH SPEED SOLID STATE SWITCH. THIS MODEL OFFERS LOW INSERTION LOSS AND HIGH ISOLATION, AND IS SUPPLIED IN A COMPACT HOUSING MEASURING ONLY 6.0" X 3.5" X 1.0"

SPECIFICATIONS

- FREQUENCY RANGE: _____ 7.0 TO 8.0 GHz (0.5 TO 18.0 GHz AVAILABLE)
- INSERTION LOSS: _____ 8dB Max, 7dB Typ
- ISOLATION: _____ 60dB MIN
- VSWR (IN/OUT): _____ 1.8:1 MAX
- SWITCHING SPEED: _____ 100ns MAX
 - 50% TTL TO 90% RF & 50% TTL TO 10% RF
- INPUT POWER: _____ 20dBm CW MAX (OPERATING)
- CONTROL: _____ 4 BIT DECODED (SEE LOGIC TABLE)
- CONNECTORS:
 - PORTS: _____ SMA (F) REMOVABLE
 - CONTROL & POWER: _____ 9 PIN SUB D MALE
(MATING CONNECTOR SUPPLIED WITH UNIT)
- DC SUPPLY: _____ +5VDC @ 330mA Nominal
_____ -12VDC @ 150mA Nominal
- SIZE _____ (L) 6.0" X (W) 3.5" X (H) 1.0"
- 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.

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

SPECIFICATIONS & PRODUCT INFO

		REVISIONS		
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	06/09/14	

LOGIC TABLE				
PORT	E1	E2	E3	E4
J1	0	0	0	0
J2	1	0	0	0
J3	0	1	0	0
J4	1	1	0	0
J5	0	0	1	0
J6	1	0	1	0
J7	0	1	1	0
J8	1	1	1	0
J9	0	0	0	1
J10	1	0	0	1
J11	0	1	0	1
J12	1	1	0	1
J13	0	0	1	1
J14	1	0	1	1
J15	0	1	1	1
J16	1	1	1	1
J17	0	0	0	0
J18	1	0	0	0
J19	0	1	0	0
J20	1	1	0	0
J21	0	0	1	0
J22	1	0	1	0

PINOUT TABLE	
PIN NO:	FUNCTION
1	E1
2	E2
3	E3
4	E4
5	N/C
6	N/C
7	+V
8	-V
9	GND

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



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

APPROVALS		DATE	TITLE		
DRAWN	<i>sfh</i>	06/09/14	PRODUCT FEATURE		
CHECKED			P22T-0R5G18G-60-T-SFF-OPT7G8G		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 2

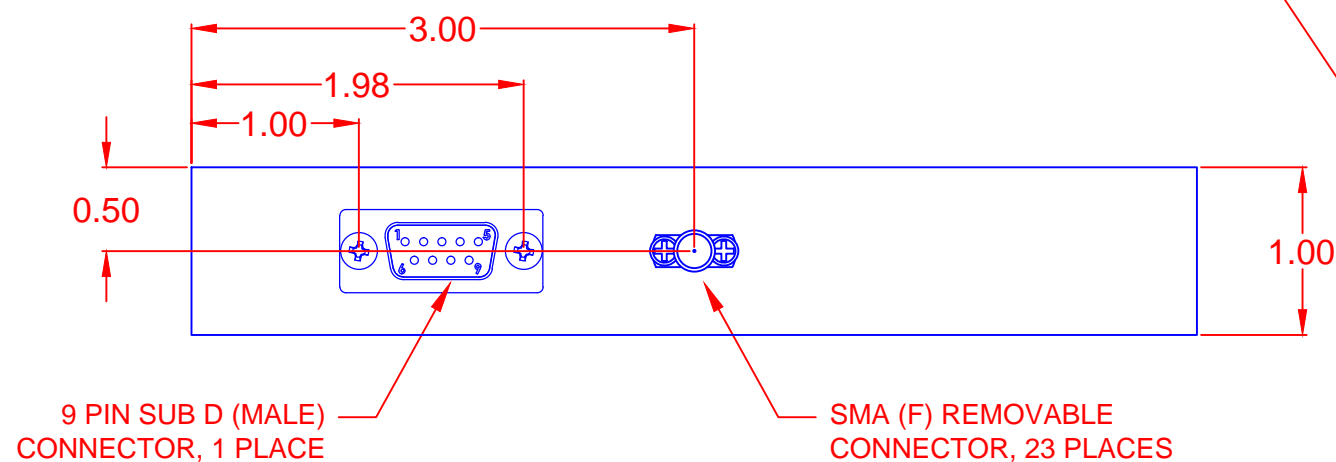
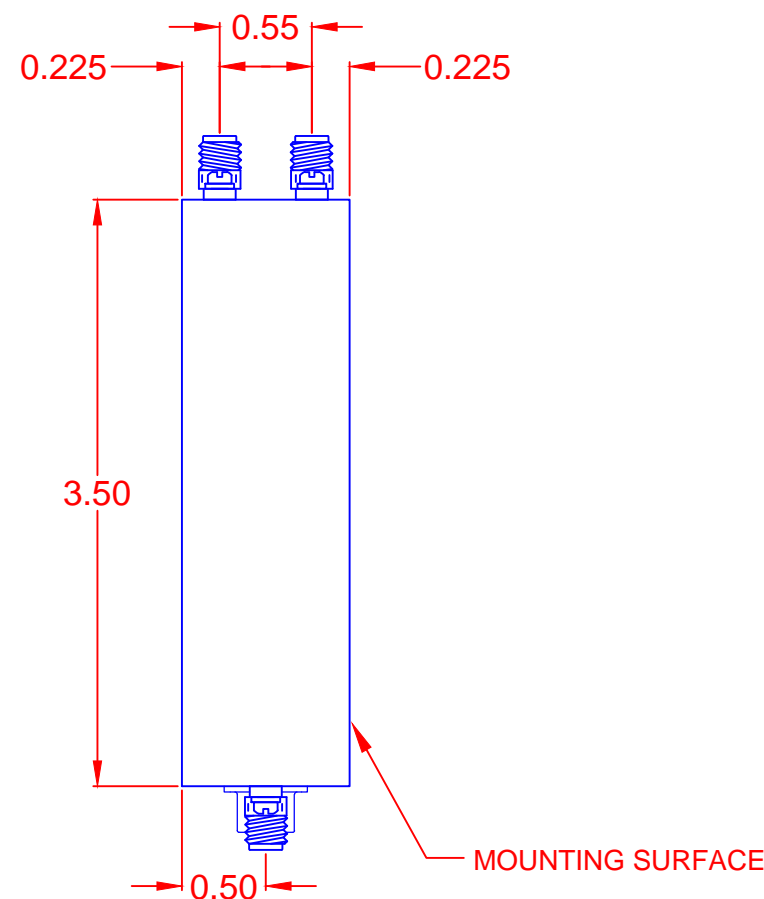
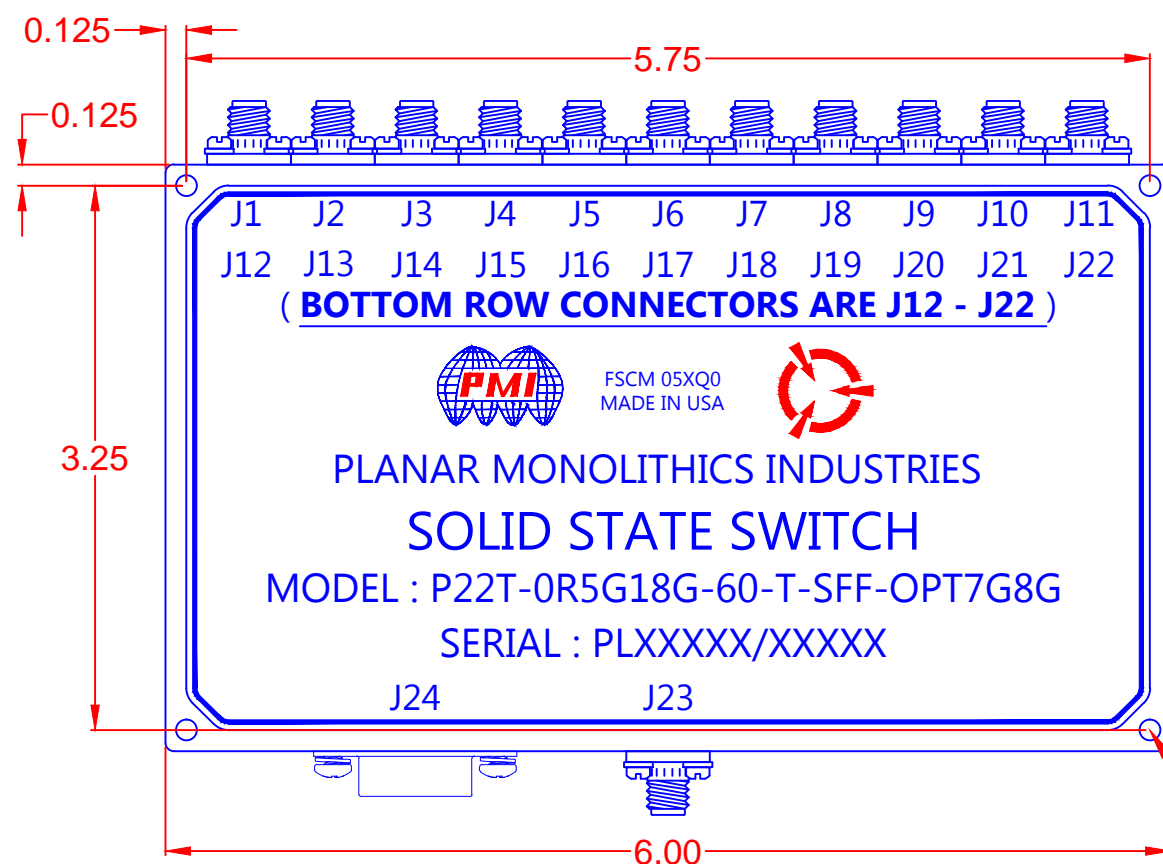
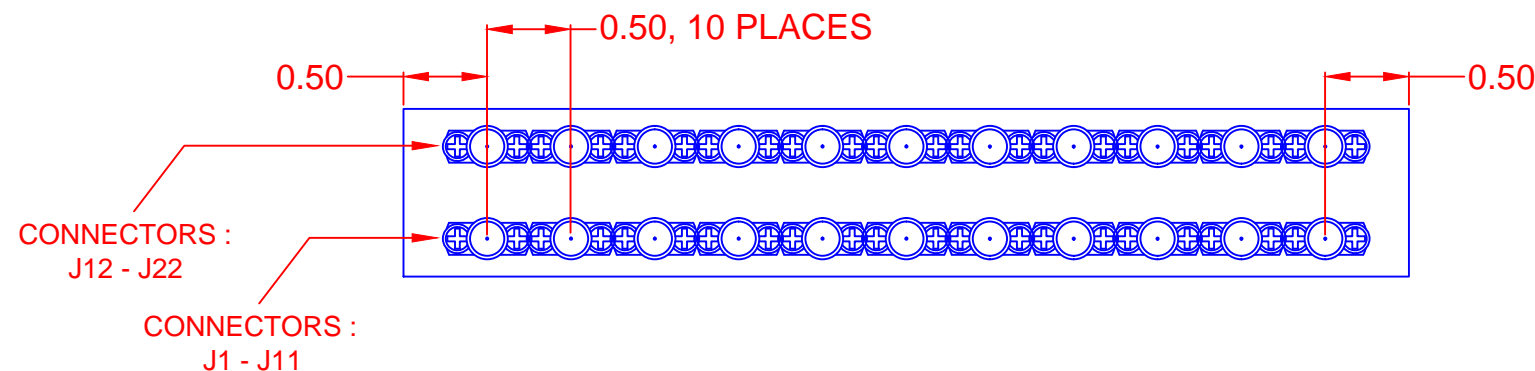
REV. 1

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MECHANICAL

REV. NO.		DESCRIPTION	DATE	APPROVED
ZONE	REV.			
	1	PRELIMINARY	06/09/14	



Ø0.125 THRU, 4 PLACES

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

PINOUT TABLE

PIN NO:	FUNCTION
1	E1
2	E2
3	E3
4	E4
5	N/C
6	N/C
7	+V
8	-V
9	GND

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APPROVALS		DATE	TITLE	
DRAWN	<i>sfk</i>	06/09/14	PRODUCT FEATURE	
CHECKED			P22T-0R5G18G-60-T-SFF-OPT7G8G	
ISSUED			SIZE A	FSCM NO. 05XQ0
			DWG NO. PRELIMINARY	REV. 1
			SCALE N:S	SHEET 2 OF 2