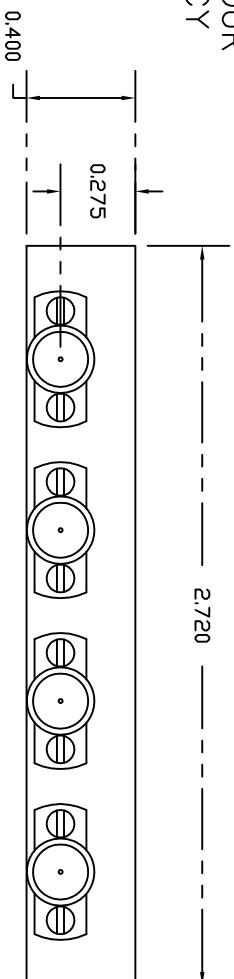


DESCRIPTION

PMI MODEL P4T-500M40G-60-T-55-292FF-SP IS AN ABSORPTIVE, SINGLE POLE, FOUR THROW PIN DIODE SWITCH THAT OPERATES OVER THE 0.5 GHZ TO 40 GHZ FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

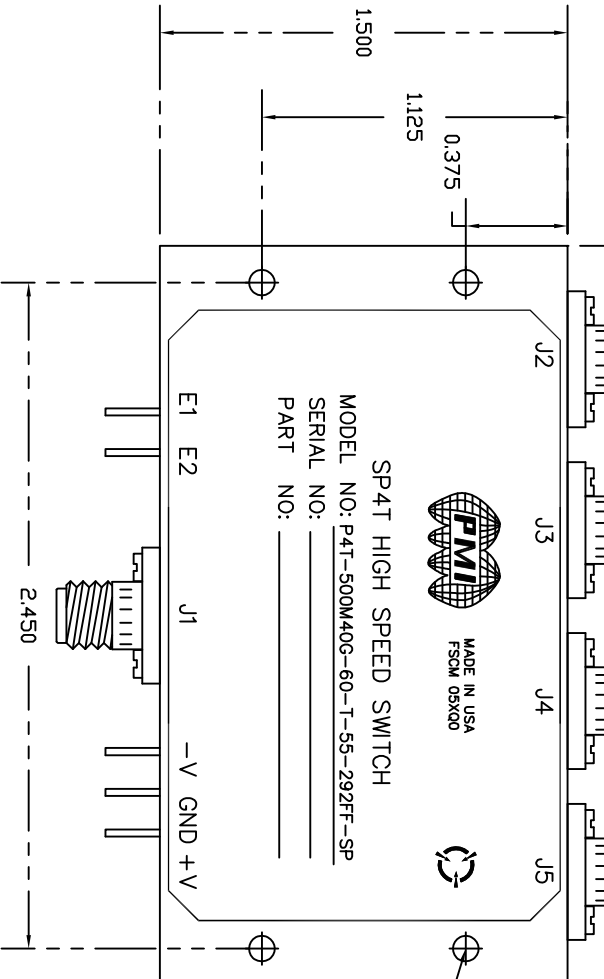
MECHANICAL OUTLINE

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	7/23/10	



2.92mm SMA
(FEMALE)

MOUNTING HOLES,
Ø0.094 THRU,
4 PLACES

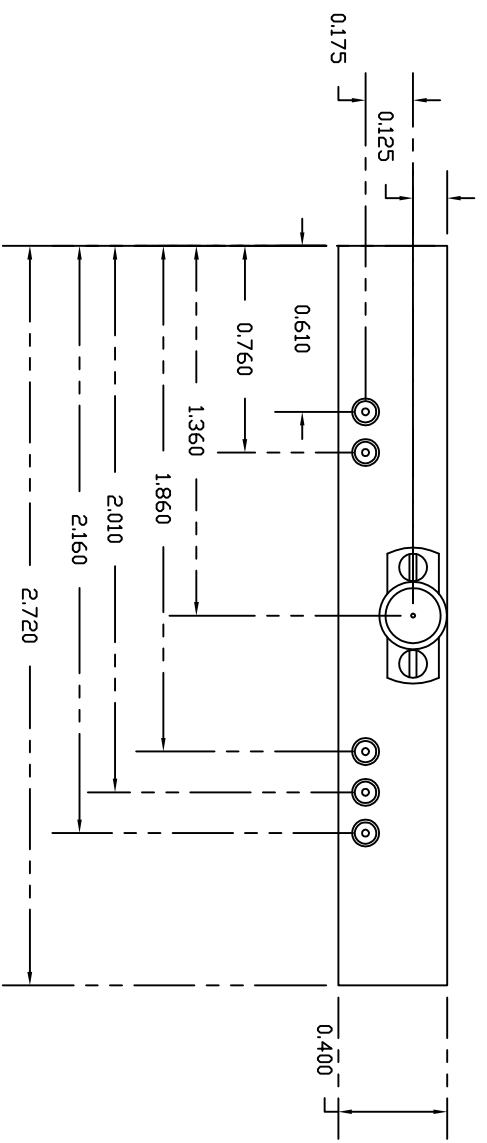


LOGIC TABLE		
2 BIT DECODER		
E1	E2	FUNCTION
0	0	J1-J2 "Low Loss"
0	1	J1-J3 "Low Loss"
1	0	J1-J4 "Low Loss"
1	1	J1-J5 "Low Loss"

- FREQUENCY RANGE: 0.5 TO 40 GHZ
- ISOLATION: 60 DB MIN
- INSERTION LOSS: 8.0 DB MAX
- VSWR IN / OUT: 2.5 : 1 MAX, 2.0 : 1 TYP
- INPUT POWER: +20 dBm CW MAX
- SURVIVAL POWER: 1W PEAK 1 usec
- RF SWITCHING SPEED: RISE: 15ns MAX
FALL: 15ns MAX
DELAY ON: 50ns MAX
DELAY OFF: 50ns MAX
- DC VOLTAGE: +5 V @ 250 mA MAX
-5 V @ 100 mA MAX
- CONTROL SIGNAL: TTL LOGIC
SEE LOGIC TABLE
- CONNECTORS IN/OUT: 2.92mm FEMALE CONNECTORS
- CONTROL CONNECTORS: SOLDER PINS
- FINISH: GOLD PLATED

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
- SALT FOG: MIL-STD-202F, METHOD 107D COND. A
- FUNGUS: MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS ANGLES FRACTIONS ± .005 ± .005		PART NO.		DATE	
MATERIAL		DRAWN		7/23/10	
FINISH		CHECKED		K.M.	
NEXT ASSY		ISSUED			
APPLICATION		USED ON			
DO NOT SCALE DRAWING		APPROVALS		TITLE	
				PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
		SIZE FSCM NO.		P4T-500M40G-60-T-55-292FF-SP	
		DWG NO.		27013621	
		SCALE N/S		SHEET 1 OF 1	

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