

DESCRIPTION

PMI MODEL: P4T-9D25G-60-R-SFF-5W IS A SOLID STATE, HIGH SPEED, SINGLE POLE FOUR THROW REFLECTIVE SWITCH CAPABLE OF SWITCHING WITHIN 50 ns. THE FREQUENCY RANGE IS 9.25 GHz $\pm$ 30 MHz AND OFFERS OVER 60 dB OF ISOLATION. THIS SWITCH CAN HANDLE INPUT RF POWER LEVELS OF 37 dBm PEAK AND 33 dBm CW.

SPECIFICATIONS

- FREQUENCY RANGE: 9.25 GHz $\pm$ 30 MHz
- INSERTION LOSS: 1.5 dB GOAL, 2.0 dB MAX
- ISOLATION: 40 dB MIN, 60 dB GOAL
- VSWR: 2.0:1 MAX
- SPEED: 50 ns MAX
- MAXIMUM PW/PRF: 1.5 μ s @ 8 kHz
- INPUT POWER (PEAK): 37 dBm MAX
- INPUT POWER (CW): +33 dBm CW MAX
- CONTROL TTL: 4 LINE INDEPENDENT LOGIC "0" = INSERTION LOSS LOGIC "1" = ISOLATION
- POWER SUPPLY: +5 VDC @ 200 mA MAX
-12 VDC @ 75 mA MAX
- RF CONNECTORS: SMA FEMALE
- CONTROL, POWER, & GND: SOLDER PINS
- SIZE: (L) 2.0" 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.

ENVIRONMENTAL RATINGS

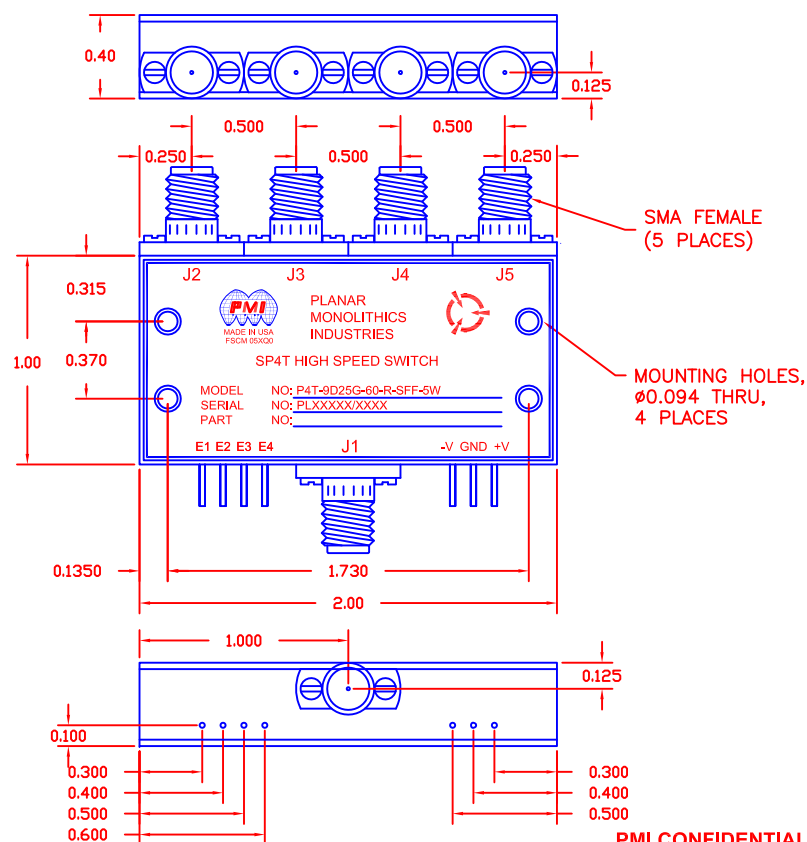
- TEMPERATURE: -40 °C TO +85 °C (OPERATING)
-55 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. C
- VIBRATION: MIL-STD-202F, METHOD 204D COND. G
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

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 $\pm$ 0.020
X.XXX $\pm$ 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	04/02/15	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE		
DRAWN		M. Berry		04/02/15		PRODUCT FEATURE P4T-9D25G-60-R-SFF-5W
CHECKED						
ISSUED						
SIZE	FSCM NO.	DWG NO.	REV.			
A	05XQ0	27024881	1			
SCALE		N:S		SHEET		1 OF 1