

DESCRIPTION

PMI MODEL: PS-90-5010 IS A 0° TO 180°, MINATURE BI-PHASE MODULATOR / PHASE SHIFTER, OPERATING OVER THE BAND FROM 5.0 TO 10.0 GHz WITH TTL CONTROL LOGIC AND LOW INSERTION LOSS.

SPECIFICATIONS

- FREQUENCY RANGE: 5.0 TO 10.0 GHz
- PHASE STATES: 0°/180°
- INSERTION LOSS: 2.5 dB TYP, 3.0 dB MAX
- VSWR: 2.0:1 TYP
- OPERATING INPUT POWER: +20 dBm NOM
- SPEED: 75 ns MAX
- MAXIMUM RF INPUT: 0.5 WATT CW 1us PULSE WIDTH SURVIVAL
- CARRIER SUPPRESSION: 20 dB TYP
- DC POWER PLUS: +5 VDC @ 75 mA MAX
- DC POWER MINUS: -5 VDC @ 20 mA MAX
- SIZE: 1.0" X 1.0" X 0.5"
- WEIGHT: <2 oz

ENVIRONMENTAL RATINGS

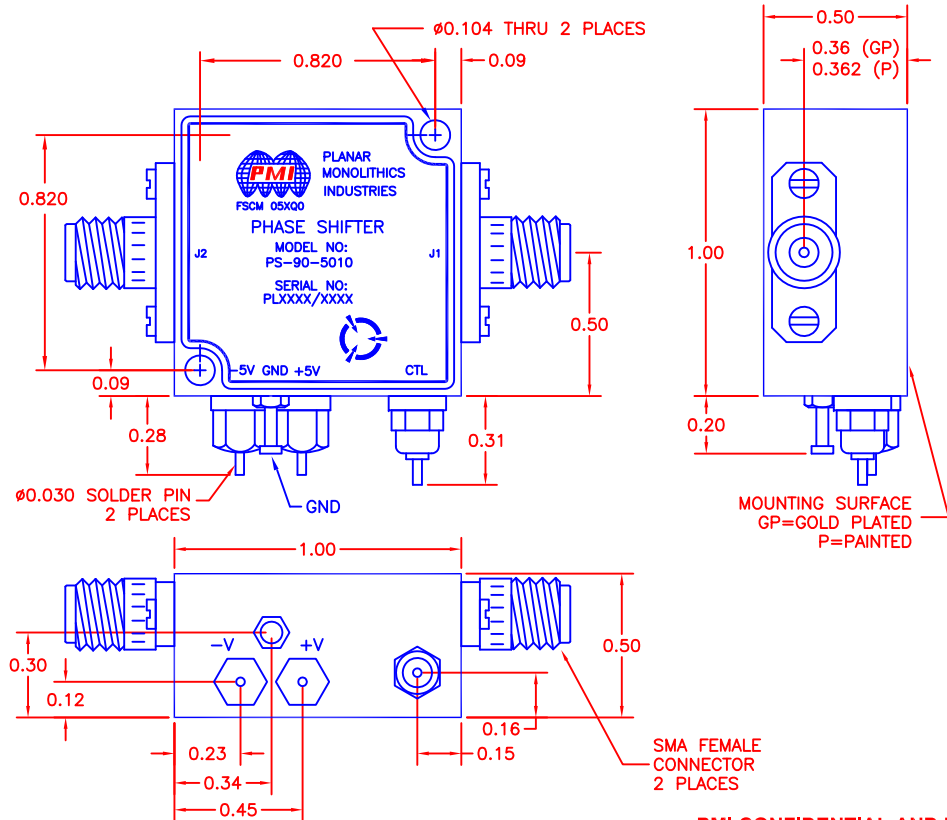
- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	8/16/18	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>S. PALACIO</i>		4/16/15	PRODUCT FEATURE PS-90-5010 5.0 TO 10.0 GHz BI-PHASE MODULATOR			
REDRAWN <i>EMF</i>		8/16/18	SIZE A	FSCM NO. 05XQ0	DWG NO.	REV. 1
ISSUED			SCALE N:S		SHEET 1 OF 1	