

DESCRIPTION

PMI MODEL PS-90-810-OPT910 IS A HIGH SPEED 9 TO 10 GHz FREQUENCY RANGE, 0 TO 180 DEGREE, MINIATURE, BI-PHASE MODULATOR/PHASE SHIFTER WITH TTL CONTROL LOGIC (ECL LOGIC IS AVAILABLE).

SPECIFICATIONS

- FREQUENCY RANGE: 9 TO 10 GHz
- INSERTION LOSS: 2.5 dB TYPICAL
..... 3.0 dB MAXIMUM
- VSWR INPUT: 2.0:1 TYPICAL
..... 2.5:1 MAXIMUM
- OPERATING INPUT POWER: +15 dBm OPERATING
- SPEED: 75 ns TYPICAL ON/OFF
- MAXIMUM RF INPUT: 0.5 WATT CW, 1 usec PULSE WIDTH SURVIVAL
- CARRIER SUPPRESSION: 20 dB TYPICAL
- DC SUPPLY: +5 VDC @ 75 mA MAXIMUM
..... -5 VDC @ 20 mA MAXIMUM
- CONTROL LOGIC TTL
- DIFFERENTIAL PHASE SHIFT $\pm 90^\circ$ OR $180^\circ \pm 10^\circ$
- SIZE: 1.97" x .079" x 0.53"
- WEIGHT: <2 OUNCES
- FINISH: PAINTED BLUE

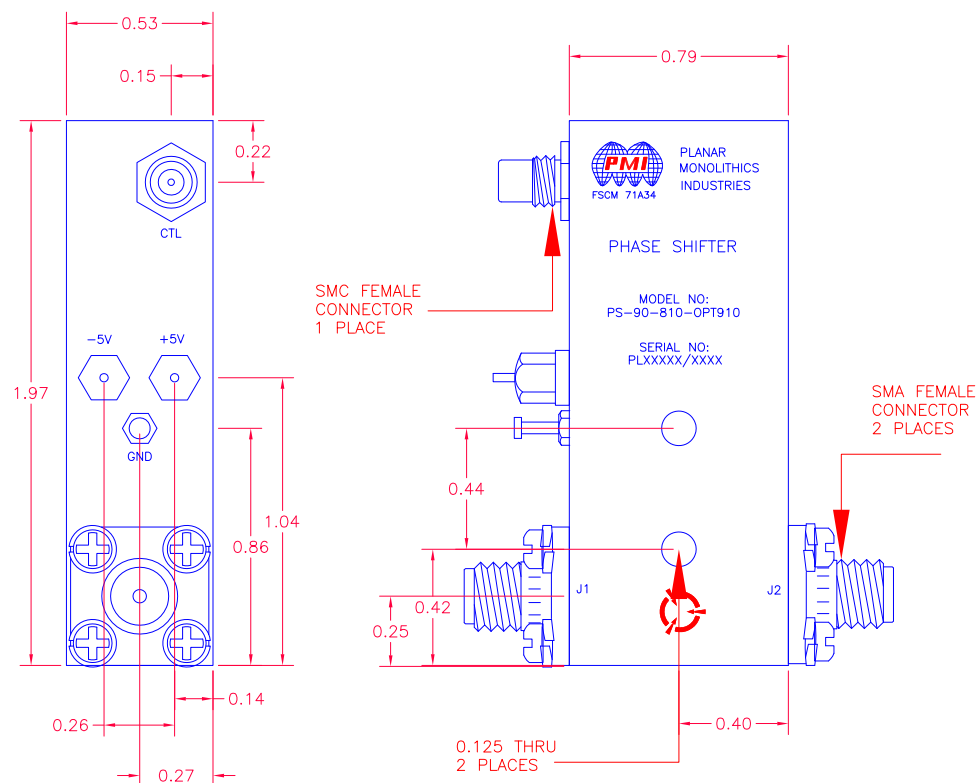
ENVIRONMENTAL RATINGS

- 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
	-	PRELIMINARY	10/28/15	JFK



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APPROVALS		DATE		TITLE	
DRAWN JS		10/28/15		PRODUCT FEATURE	
CHECKED				PS-90-810-OPT910	
ISSUED				9 TO 10 GHz, BI-PHASE MODULATOR/PHASE SHIFTER	
SIZE A		FSCM NO. 71A34		DWG NO. PRELIMINARY	
SCALE N:S				REV. -	
				SHEET 1 OF 1	