

## DESCRIPTION

PMI MODEL: PS-360-DC-1R OPTION: 810 IS A DIGITALLY CONTROLLED 360° PHASE SHIFTER WITH A PHASE ACCURACY OF ±10°, A SWITCHING SPEED OF 500 ns AND OPERATES IN THE RANGE OF 8 TO 10 GHz.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 8 TO 10 GHz (OTHER RANGES AVAILABLE)
- INSERTION LOSS: ----- 11,5 dB MAXIMUM
- VSWR: ----- 1.75:1 MAXIMUM
- PHASE ACCURACY: ----- ±10°
- SWITCHING SPEED: ----- 500 ns
- POWER HANDLING: ----- +20 dBm (+30 dBm SURVIVAL)
- CONTROL: ----- 10 BIT TTL
- DC POWER: ----- +5 V @ 200 mA MAXIMUM  
+12 TO +15 V @ 100 mA MAXIMUM  
-12 TO -15 V @ 70 mA MAXIMUM
- SIZE: ----- (L) 4.95" x (W) 3.38" x (H) 1.02"
- WEIGHT: ----- 13 OUNCES TYPICAL

J3 PIN OUT TABLE	
PIN	FUNCTION
1	-12 TO -15 V
2	+12 TO +15 V
3	N/C
4	1,4°
5	5,6°
6	45,0°
7	180° (MSB)
8	90,0°
9	GROUND
10	0,7°
11	22,5°
12	2,8°
13	11,3°
14	0,35° (LSB)
15	+5 V

## ENVIRONMENTAL RATINGS

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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

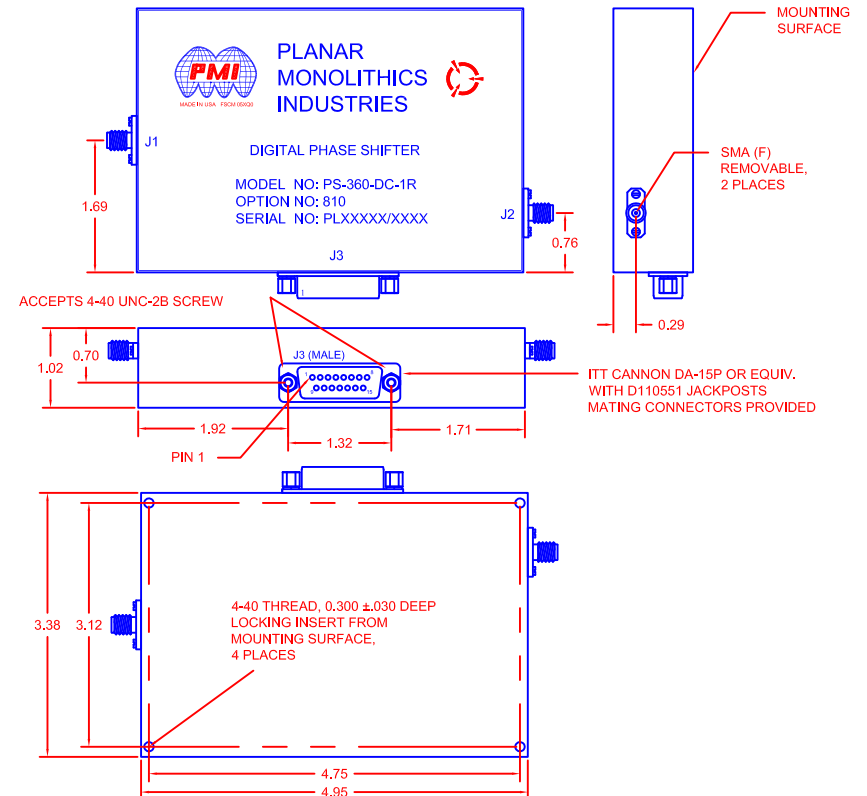
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

ALL DIMENSIONS  
ARE IN INCHES (mm)  
TOLERANCES:  
X,XX ±0.020  
X,XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB # 00525P	3/21/02	

## MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			REV.
DRAWN	WSP	3/21/02	PRODUCT FEATURE			
CHECKED	FDT	11/18/04	PS-360-DC-1R			
ISSUED	RA	11/19/04	OPTION: 810			
			8 TO 10 GHz DIGITALLY CONTROLLED PHASE SHIFTER			
			SIZE	FSCM NO.	DWG NO.	
			A	05XQ0	100-6296	-
			SCALE	N:S	SHEET	1 OF 1