

DESCRIPTION

PMI MODEL: PS-360-DC-1R OPTION: 810 IS A DIGITALLY CONTROLLED 360° PHASE SHIFTER WITH A PHASE ACCURACY OF $\pm 10^\circ$, 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: $\pm 10^\circ$
- 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

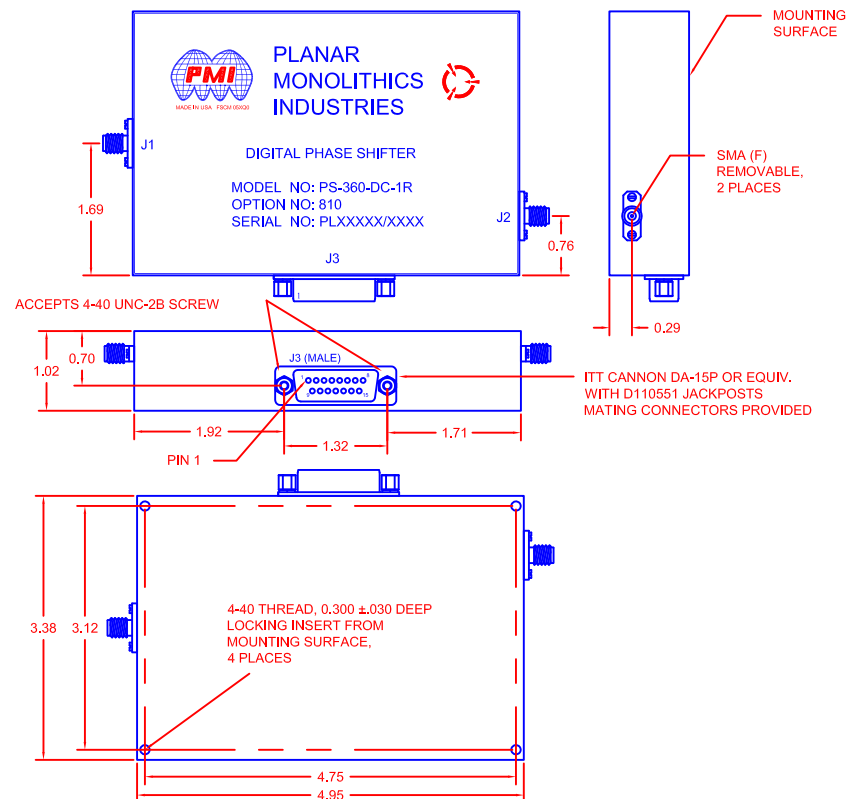
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	8/21/02	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE PRODUCT FEATURE PS-360-DC-1R OPTION: 810 8 TO 10 GHz DIGITALLY CONTROLLED PHASE SHIFTER				REV.
DRAWN	WSP	8/21/02					
CHECKED	FDJ	11/18/04					SIZE A
ISSUED	RA	11/19/04	SCALE N:S			SHEET 1 OF 1	