

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 nSec AND OPERATES IN THE RANGE OF 8 TO 10 GHz.

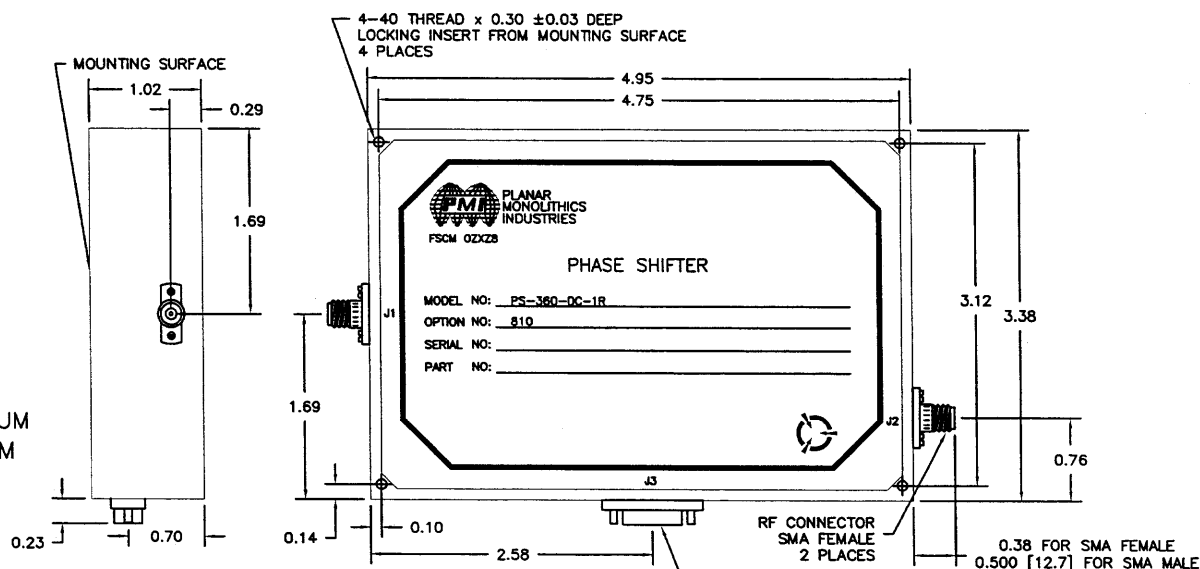
SPECIFICATIONS

- FREQUENCY RANGE: 8 GHz TO 10 GHz (OTHER FREQUENCY RANGES AVAILABLE)
- INSERTION LOSS: 11.5 dB MAXIMUM
- VSWR: 1.75:1 MAXIMUM
- PHASE ACCURACY: $\pm 10^\circ$
- SWITCHING SPEED: 500 nSec
- POWER HANDLING: +20 dBm (+30 dBm SURVIVAL)
- CONTROL: 10 BIT TTL
- DC POWER:
 - +V: +5V @ 200 mA MAXIMUM
 - +V: +12V TO 15V @ 100 mA MAXIMUM
 - V: -12V TO 15V @ 70 mA MAXIMUM
- SIZE: 4.95"(L) x 3.38"(W) x 1.02"(H)
- WEIGHT: 13 OUNCES TYPICAL

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



J3 PIN FUNCTIONS	
PIN NO.	FUNCTION
1	-12V TO -15V
2	+12V TO +15V
3	N/C
4	1.4"
5	5.6"
6	45.0"
7	180.0" (MSB)
8	90.0"
9	GROUND
10	0.7"
11	22.5"
12	2.8"
13	11.3"
14	0.35" (LSB)
15	+5V

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

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

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-G GROVE ROAD
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ISO 9001:2000 CERTIFIED

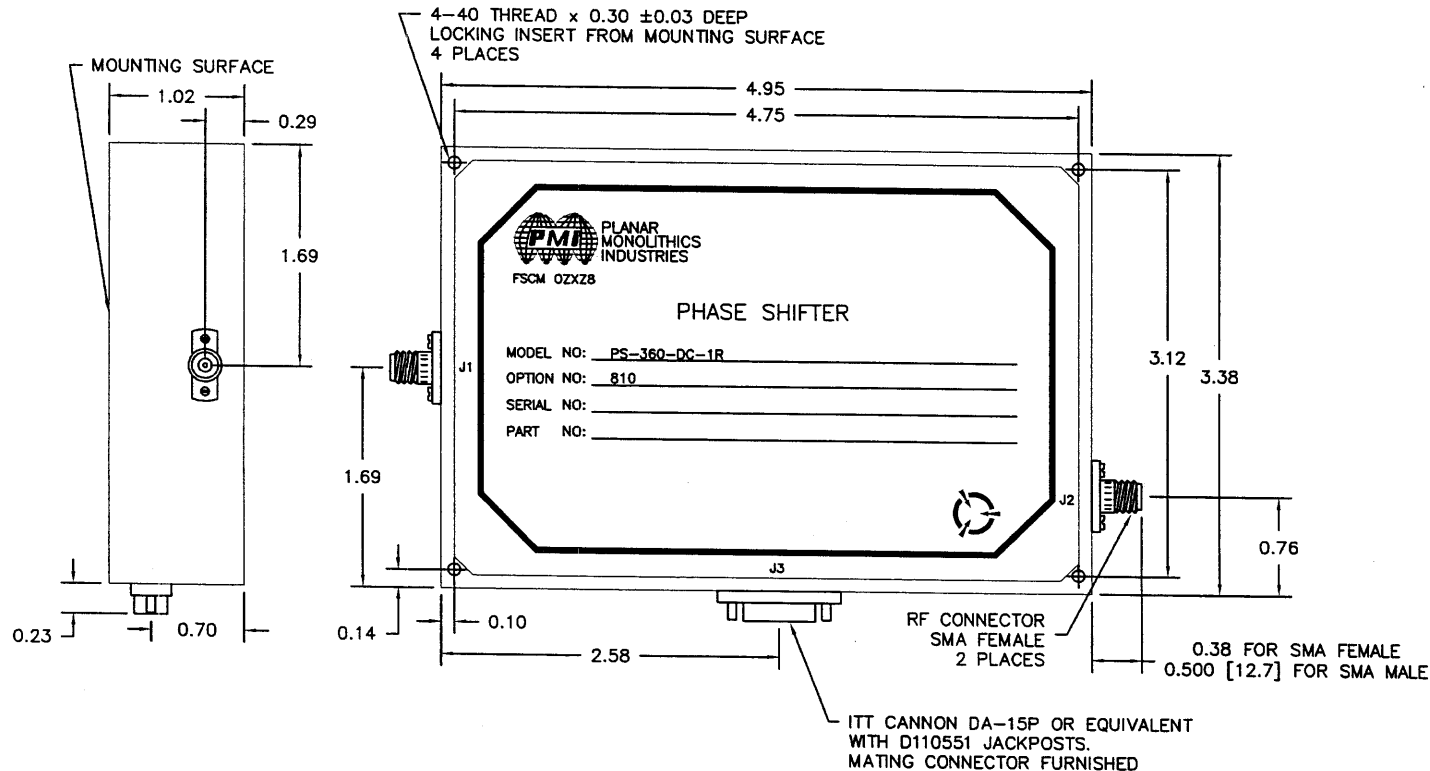


APPROVALS		DATE		TITLE	
DRAWN	WSP	3/21/02		PRODUCT FEATURE PS-360-DC-1R OPTION: 810 8 TO 10 GHz, DIGITALLY CONTROLLED PHASE SHIFTER	
REDRAWN	JDJ	11/18/04		SIZE	FSCM NO.
ISSUED	PA	11/19/04		A	02XZ8
				DWG NO.	100-6296
				SCALE	N:S
				SHEET 1 OF 3	

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



MECHANICAL OUTLINE

J3 PIN FUNCTIONS	
PIN NO.	FUNCTION
1	-12V TO -15V
2	+12V TO +15V
3	N/C
4	1.4"
5	5.6"
6	45.0"
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 X.XX ± 0.020
 X.XXX ± 0.010

APPROVALS		DATE	TITLE	
DRAWN	WSP	3/21/02	MECHANICAL OUTLINE PS-360-DC-1R OPTION: 810	
REDRAWN	JDT	11/18/04	8 TO 10 GHz, DIGITALLY CONTROLLED PHASE SHIFTER	
ISSUED	LA	11/19/04	SIZE FSCM NO.	DWG NO.
			A 0ZXZ8	100-6296
SCALE N:S			SHEET 2 OF 3	