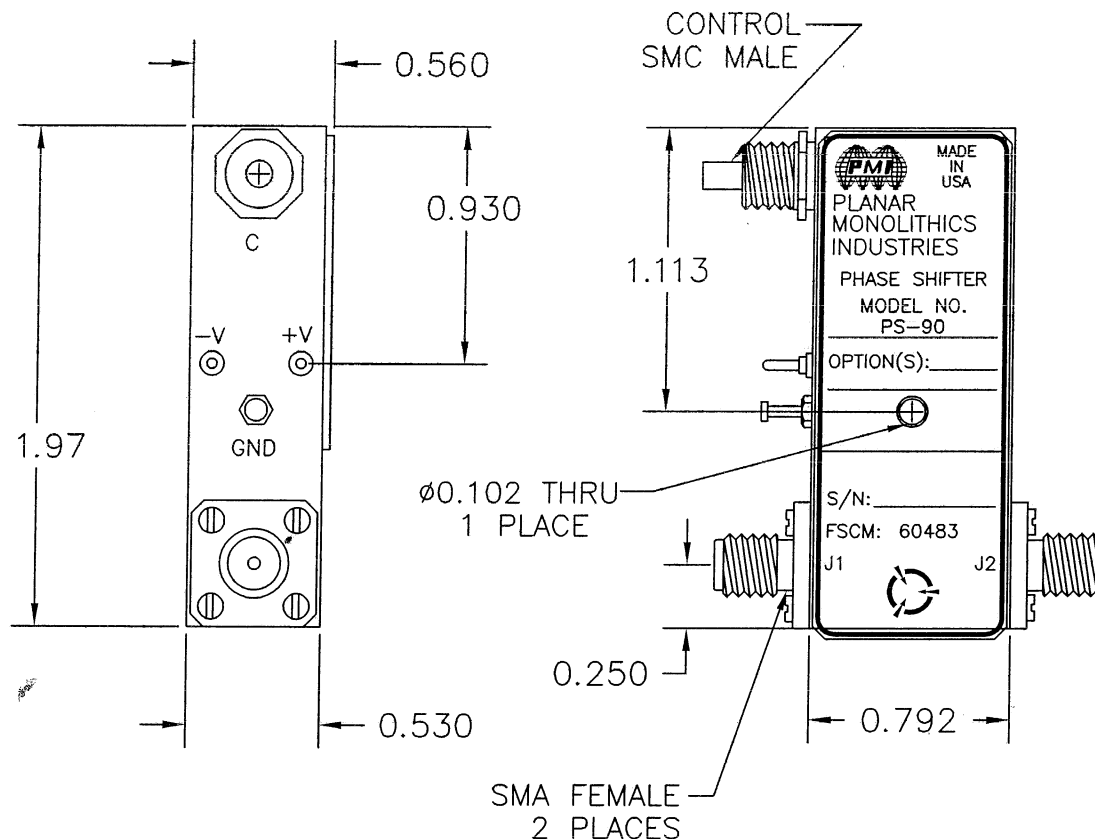


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# P503011N	3/22/05	

SPECIFICATIONS

- FREQUENCY RANGE: 10.2 TO 10.8 GHz
- INSERTION LOSS: 2.0 dB MAXIMUM LOGIC "0"
- DIFFERENTIAL PHASE SHIFT: ±90° OR 180°
- VSWR: 2.0:1
- RISE TIME: 10 nSec MAXIMUM
- FALL TIME: 10 nSec MAXIMUM
- DELAY ON: 50 nSec MAXIMUM
- DELAY OFF: 50 nSec MAXIMUM
- CARRIER SUPPRESSION: 15 dB MINIMUM, 20 dB TYPICAL
- POWER INPUT:.....+20 dBm Operating
- SURVIVAL POWER: 0.5 WATT CW, 1 uS PULSE WIDTH
- CONTROL: TTL LOGIC
- POWER SUPPLY: +5V @ 75 mA MAXIMUM
 -5V @ 25 mA MAXIMUM
- CONNECTORS:
 - RF: SMA FEMALE
 - CONTROL: SMC MALE
- SIZE: 1.97" (L) x 0.79" (W) x 0.54" (H)
- WEIGHT: 1.5 OUNCE TYPICAL



- 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

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001:2000 CERTIFIED

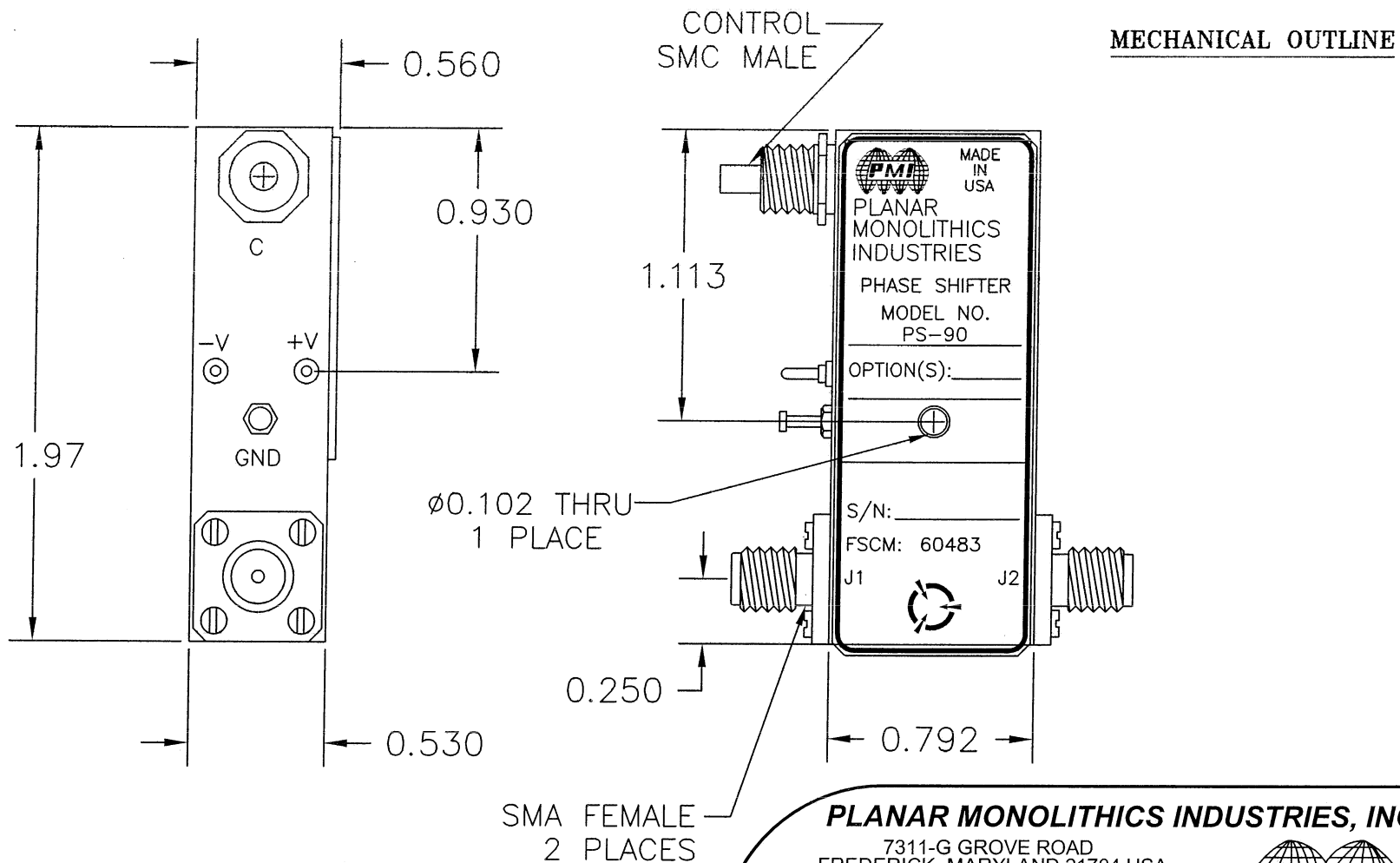


APPROVALS		DATE	TITLE		PRODUCT FEATURE	
DRAWN	<i>JCM</i>	<i>9/22/05</i>			PS-90	
CHECKED	<i>AK</i>	<i>11/16/05</i>			10.2-10.8 GHz 90° PHASE SHIFTER	
ISSUED			SIZE	FSCM NO.	DWG NO.	REV
			A	OZXXZ8	100-7390	—
			SCALE	N:S	SHEET	1 OF 3

DESCRIPTION

PMI MODEL PS-90 IS A $\pm 90^\circ$ OR 0° TO 180° BI-PHASE/MODULATOR SHIFTER THAT OPERATES OVER THE 10.2 TO 10.8 GHz FREQUENCY RANGE.

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
		ORIGINAL RELEASE JOB# P503011N	3/22/05
			APPROVED



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APPROVALS		DATE		TITLE			
DRAWN	JCM		3/22/05	MECHANICAL OUTLINE			
CHECKED	PA		4/6/05	PS-90			
ISSUED				10.2-10.8 GHz 90° PHASE SHIFTER			
SIZE		FSCM NO.		DWG NO.		REV.	
A		OZXZ8		100-7390		-	
SCALE		N:S		SHEET		2 OF 3	