

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	----	ORIGINAL RELEASE	02/14/00	

DESCRIPTION:

PMI MODEL PS-90-6012 OPTION 9F, SS IS 0 TO 180° BIPHASE SHIFTER/MODULATOR. THIS UNIT IS TTL COMPATIBLE WITH LOW INSERTION LOSS, LOW VSWR, HIGH SPEED AND OPERATES IN THE 9 TO 9.5 GHz FREQUENCY RANGE.

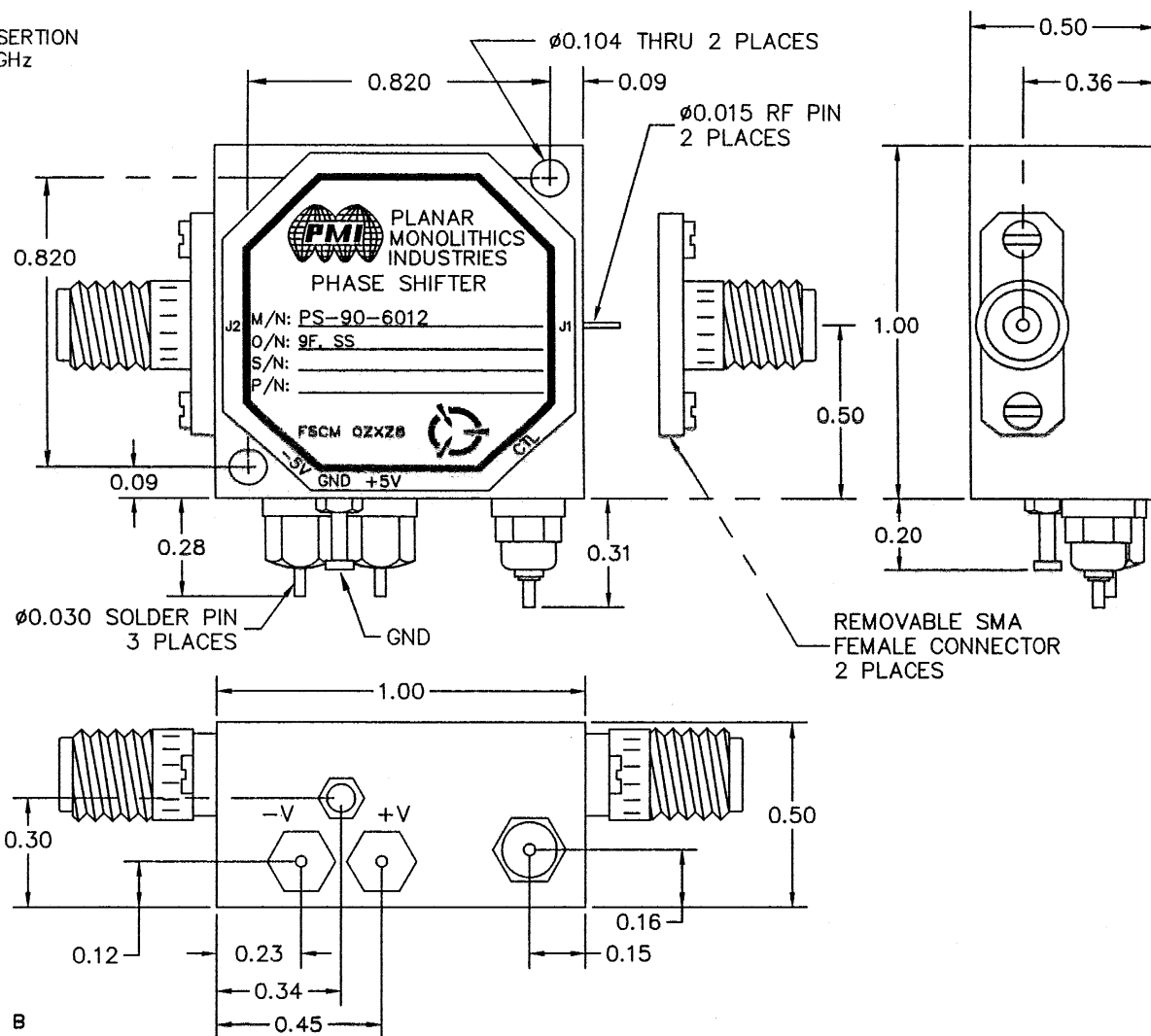
SPECIFICATIONS:

- DIFFERENTIAL PHASE SHIFT: 0° TO 180° ±2°
- FREQUENCY: 9 TO 9.5 GHz
- INSERTION LOSS: 2.0 dB MAXIMUM
- VSWR: 1.8 : 1 TYPICAL
- SWITCHING SPEED: 100 nsec MAXIMUM
- CONTROL LOGIC: TTL LOGIC "0":180°, LOGIC "1":0°
- POWER SUPPLY: ±5 VOLTS AT ±50 mAmps
- SIZE: 1.00" X 1.00" X 0.5"
- WEIGHT: ≤ 1.50 OUNCE

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -65°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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005



NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PART NO.		 PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN <i>JRJ</i>	2/14/00	PRODUCT FEATURE PS-90-6012 OPTION: 9F, SS	
CHECKED		SIZE	REV.
ISSUED		A	-
		FSCM NO.	DWG NO.
		QZXZ8	100-5293-2
		SCALE	SHEET 1 OF 2