

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
A		ORIGINAL RELEASE	11/17/11

DESCRIPTION

PMI MODEL PS-90-6012-HS15NS IS A HIGH SPEED 6 TO 12 GHz FREQUENCY RANGE, 0 TO 180 DEGREE, MINIATURE, BI-PHASE MODULATOR/PHASE SHIFTER WITH TTL CONTROL LOGIC (ECL LOGIC IS AVAILABLE).

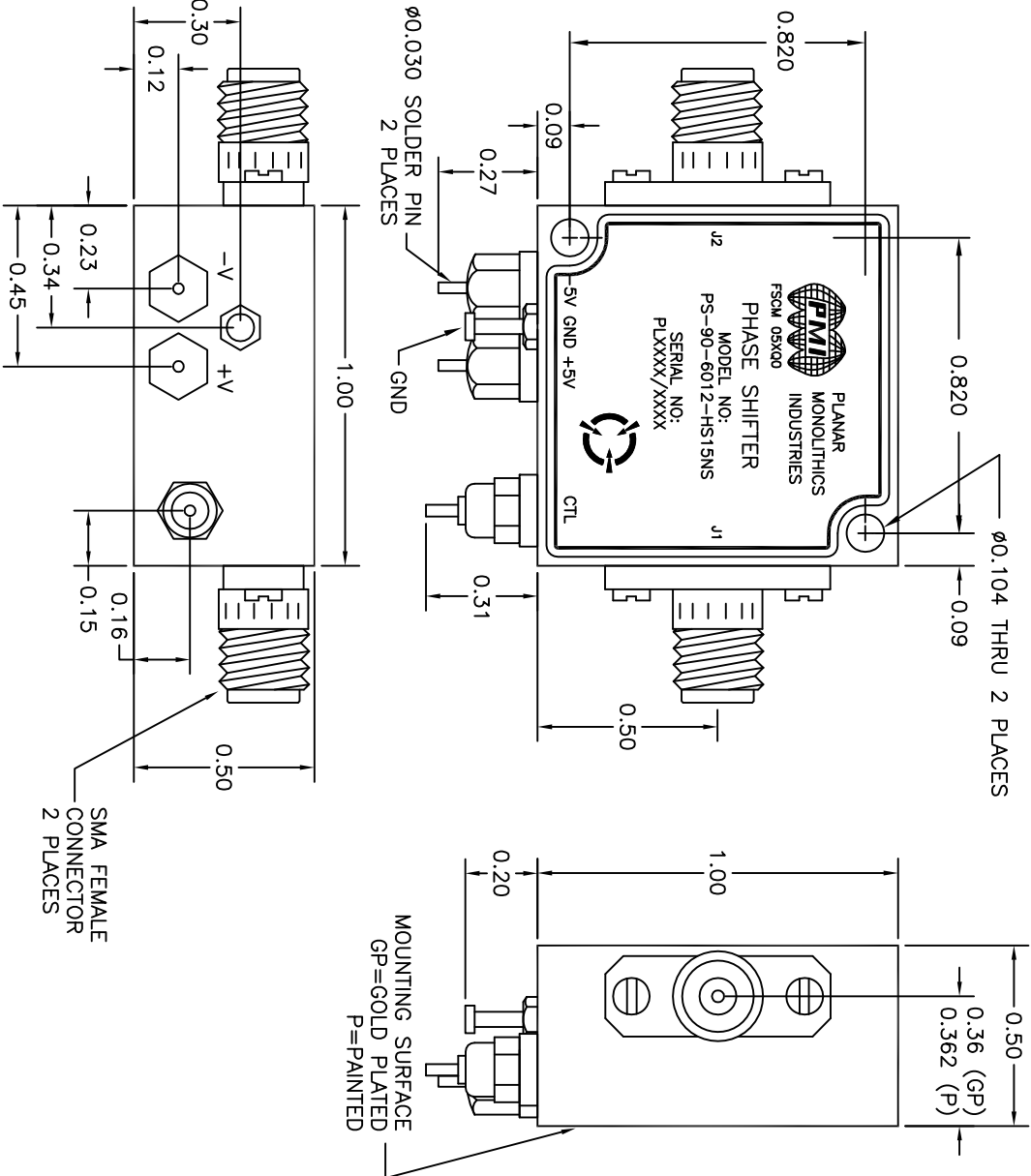
SPECIFICATIONS

- FREQUENCY RANGE: 6 TO 12 GHz
- INSERTION LOSS: 2.5 dB TYPICAL
3.0 dB MAXIMUM
- VSWR INPUT: 2.0:1 TYPICAL
2.5:1 MAXIMUM
- OPERATING INPUT POWER: +20 dbm OPERATING
- SPEED: 15 ns TYPICAL ON/OFF
- MAXIMUM RF INPUT: 0.5 WATT CW, 1 usec PULSE WIDTH SURVIVAL
- CARRIER SUPPRESSION: 20 dB TYPICAL
- DC SUPPLY: +5 VDC @ 75 mA MAXIMUM
-5 VDC @ 20 mA MAXIMUM
- SIZE: 1.0" x 1.0" x 0.5"
- WEIGHT: <2 OUNCES
- FINISH: PAINTED GRAY

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



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APPROVALS		DATE		TITLE	
DRAWN		11/17/11		PRODUCT FEATURE	
CHECKED				PS-90-6012-HS15NS	
ISSUED				6 TO 12 GHz, BI-PHASE MODULATOR/PHASE SHIFTER	
				SIZE FSCM NO. DWG NO.	
				A 05X00 27015681	
				SCALE N:S	
				SHEET 1 OF 1	

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