

DESCRIPTION

THE PMI MODEL PS-90-2040-SY IS A MINIATURE, 0 TO 180° BI-PHASE MODULATOR/PHASE SHIFTER WITH TTL CONTROL LOGIC OPERATING OVER A FREQUENCY RANGE OF 2856 MHz ± 15MHz.

SPECIFICATIONS

- FREQUENCY RANGE: 2856MHz ±15MHz
- RF IMPEDANCE: 50Ω NOMINAL
- DIFFERENTIAL PHASE SHIFT 180° ± 2°
- DIFFERENTIAL INSERTION LOSS: 0.3dB MAX.
- INSERTION LOSS: 1.0dB MAXIMUM
- VSWR INPUT: 1.2:1 MAX
- CONTROL INPUT: TTL, 1 UNIT LOAD
- SWITCHING TIME: 50ns MAX, 10% TO 90%
- RF INPUT POWER: 1.0 WATT CW MAX
- POWER SUPPLY
 - +V: + 5V @ 70mA MAXIMUM
 - V: -12V @ 30mA MAXIMUM
- DC CONNECTORS: RFI FILTER, SOLDER TERMINAL
- FINISH: PAINTED GRAY

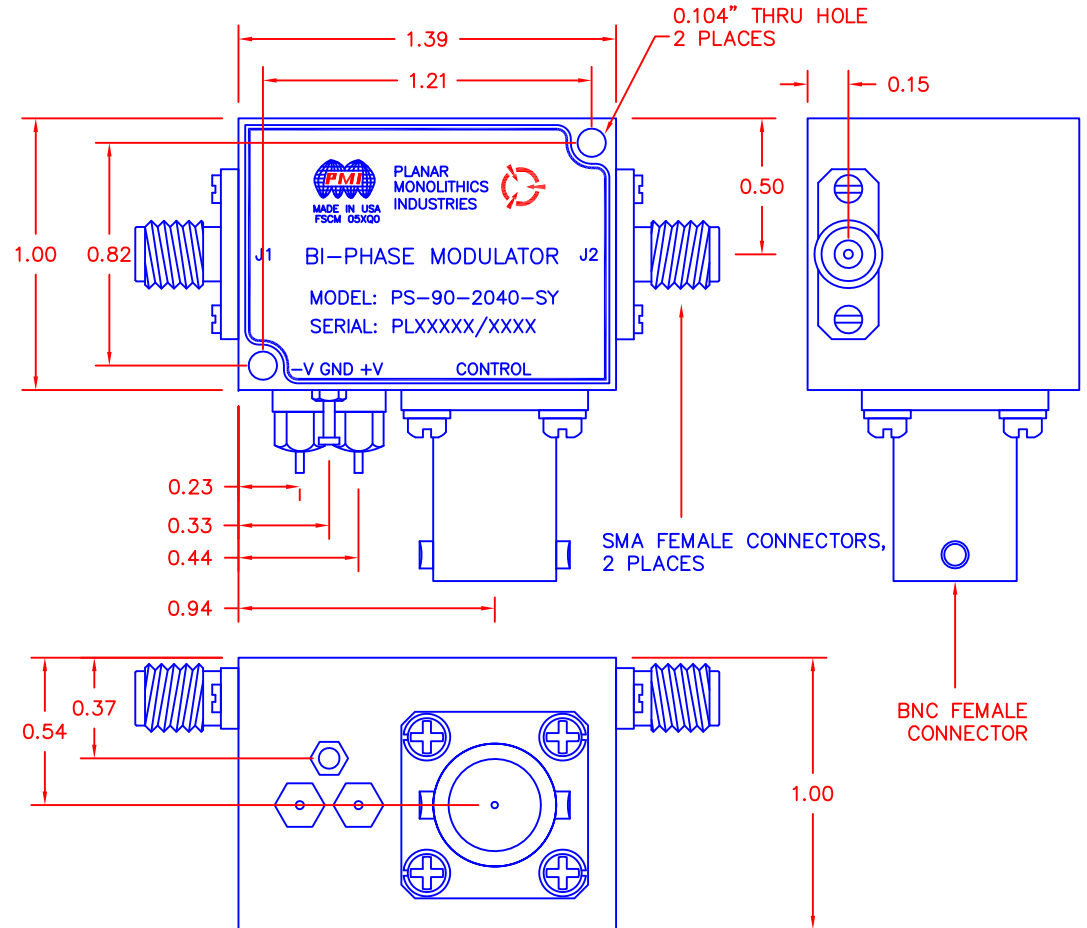
ENVIRONMENTAL RATINGS

- **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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	01/25/08	



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APPROVALS		DATE	TITLE		
DRAWN <i>PMV</i>		1/25/08	PRODUCT FEATURE PS-90-2040-SY		
CHECKED			2856 MHz +/-15MHz BI-PHASE MODULATOR/PHASE SHIFTER		
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27008307
			SCALE N:S	SHEET 1 OF 1	