

DESCRIPTION

THE PMI MODEL PS-90-2550E IS A MINIATURE, 0 TO 180 DEGREE BI-PHASE MODULATOR/PHASE SHIFTER WITH TTL CONTROL LOGIC (ECL LOGIC AVAILABLE) OPERATING OVER A FREQUENCY RANGE OF 1.9 TO 5.6 GHz.

SPECIFICATIONS

- FREQUENCY RANGE: 1.9 TO 5.6 GHz
- INSERTION LOSS: 2.5 dB TYPICAL, 3.0 dB MAXIMUM
- VSWR INPUT: 2.0:1
- OPERATING INPUT POWER: +20 dBm OPERATING
- SPEED: 75 ns MAXIMUM ON/OFF
- MAXIMUM RF INPUT: 0.5 WATT CW, 1 us PULSE WIDTH SURVIVAL
- CARRIER SUPPRESSION: 20 dB TYPICAL
- POWER SUPPLY
 - +V: +5V @ 75mA MAXIMUM
 - V: -5V @ 20mA MAXIMUM
- SIZE: 1.00" x 1.00" x 0.50"
- WEIGHT: ≤2.0 OZ.

OPTIONS

- HS: HIGH SPEED AND HIGH MODULATION RATES
- 01: SMC MALE CONTROL CONNECTOR
- 02: SMB MALE CONTROL CONNECTOR
- 03: SMA FEMALE CONTROL CONNECTOR
- 04: TWO SMA MALE CONTROL CONNECTORS
- 05: ONE SMA MALE AND ONE SMA FEMALE CONTROL CONNECTORS
- 06: +12 VOLT POWER SUPPLY
- 07: -12 VOLT POWER SUPPLY
- 08: +15 VOLT POWER SUPPLY
- 09: -15 VOLT POWER SUPPLY

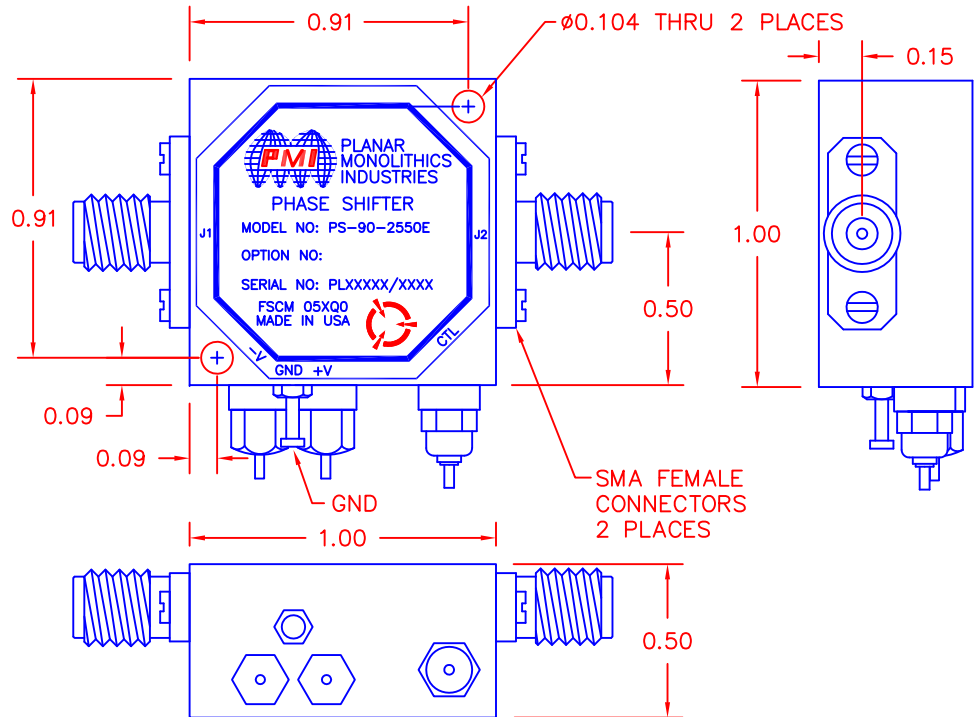
ENVIRONMENTAL RATINGS

- **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
	-	PRELIMINARY	8/7/15	



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-G GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-631-1579 FAX: 301-662-2029
WEBSITE: www.planarmonolithicsindustries.com
E-MAIL: sales@planarmonolithics.com
ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>EMF</i>		8/7/15		PRODUCT FEATURE	
CHECKED				PS-90-2550E	
ISSUED				1.9 - 5.6 GHz BI-PHASE MODULATOR/PHASE SHIFTER	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	