

DESCRIPTION

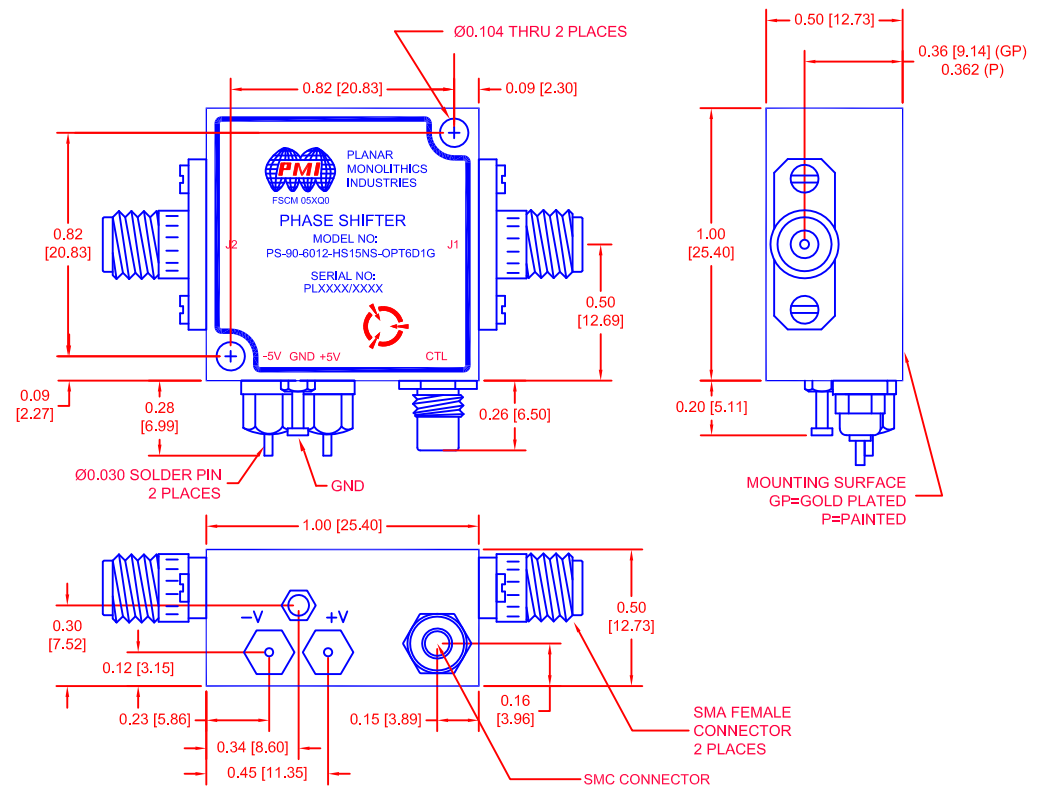
PMI MODEL PS-90-6012-HS15NS-OPT6D1G IS A HIGH SPEED 6.1 GHz FREQUENCY RANGE, 0 TO 180 DEGREE, MINIATURE, BI-PHASE MODULATOR/PHASE SHIFTER WITH TTL CONTROL LOGIC (ECL LOGIC IS AVAILABLE).

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	4/5/18	
	1	ADDED SMC CONNECTOR	4/6/18	

MECHANICAL OUTLINE

SPECIFICATIONS

- FREQUENCY RANGE: ----- 6.1 GHz
- INSERTION LOSS: ----- 2.5 dB TYPICAL
3.0 dB MAXIMUM
- PHASE SHIFT ACCURACY: ----- $\pm 0^\circ$ GOAL, $\pm 1^\circ$ MAXIMUM
(@ ROOM TEMPERATURE)
- MODULATION RATE: ----- 1 MHz
- 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 BLUE



ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, 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 [mm]
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN			PRODUCT FEATURE PS-90-6012-HS15NS-OPT6D1G		
REDRAWN					
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET
					1 OF 1