

DESCRIPTION

THE PMI MODEL PS-90-1020-101F-512, IS A 0 TO 180 DEGREE BI-PHASE MODULATOR/PHASE SHIFTER OPERATING OVER A FREQUENCY RANGE OF 1.0 TO 1.12GHz WITH A MAXIMUM INSERTION LOSS OF 2.0dB AND VSWR IS BETTER THAN 1.7:1.

SPECIFICATIONS

- FREQUENCY RANGE: 1.0 TO 1.12GHz
- VSWR: BETTER THAN 1.7:1
- INSERTION LOSS: 2.0dB MAX
- SWITCHING SPEED: 30ns MAX
- SWITCHING RATE: NOT LESS THAN 4 MHz
- SWITCHING TYPE: HOT (RF PRESENT DURING SWITCHING AS IT IS FOR CW OPERATION)
- RF INPUT POWER: +20 dBm CW
- PHASE STATES: 0 DEGREE/180 DEGREE
- RF IN/OUT INTERFACE: SMA (F)
- CONTROL: TTL
- POWER SUPPLY
 - +V: +5V @ TBD
 - V: -12V @ TBD
- SIZE: 1.00" x 1.00" x 0.50"
- WEIGHT: ≤2.0 OZ.
- FINISH: BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

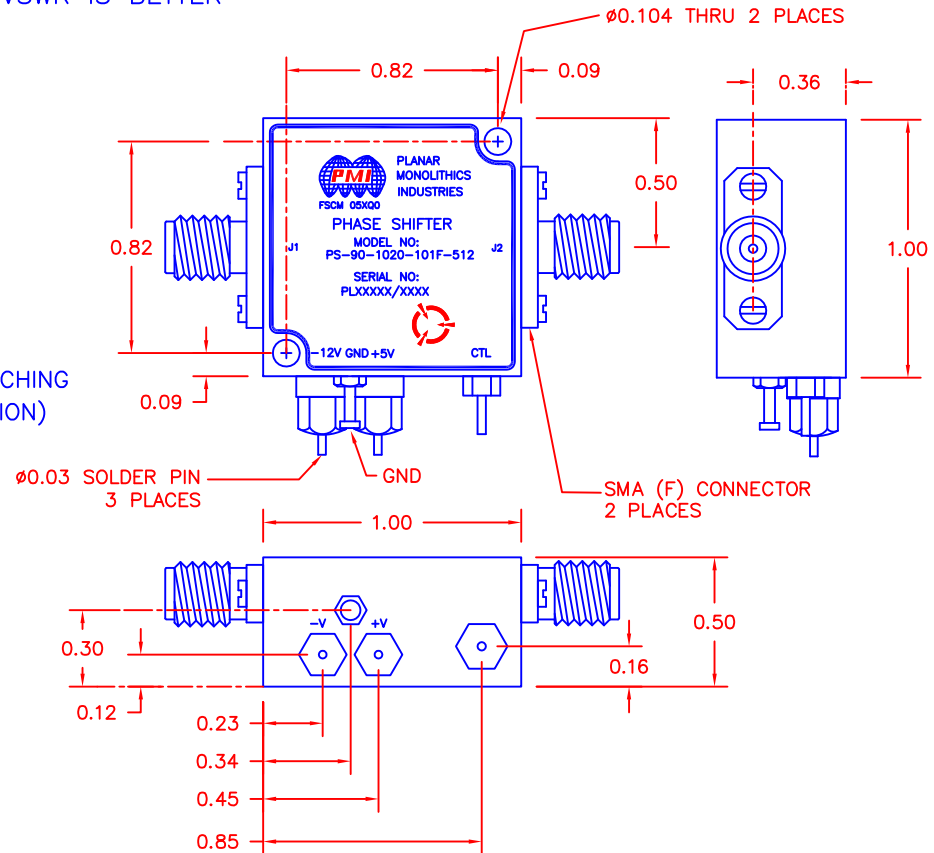
ENVIRONMENTAL RATINGS

- **TEMPERATURE:** -40°C TO +71°C (OPERATING)
..... -40°C TO +90°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
	A1	ORIGINAL RELEASE	01/05/12	



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			REV.	
DRAWN		01/05/12		PRODUCT FEATURE			A1	
CHECKED				PS-90-1020-101F-512				
ISSUED				1-1.12 GHz BI-PHASE MODULATOR/PHASE SHIFTER				
				SIZE	FSCM NO.	OWG NO.		
				A	05XQ0	27016041		
				SCALE	N:S		SHEET	1 OF 1