

DESCRIPTION

PMI MODEL NUMBER PS-360-19D5G20D5G-10B-SFF IS A 19.5 TO 20.5 GHz DIGITALLY CONTROLLED ANALOG PHASE SHIFTER WITH CAPABILITY FOR PHASE SHIFTING FROM 0° TO 360° WITH 10-BIT ACCURACY.

SPECIFICATIONS

- FREQUENCY RANGE: 19.5 TO 20.5 GHz
(18.0 to 24.0GHz AVAILABLE)
- INSERTION LOSS 11.5 dB TYP
- VSWR 2.0:1 MAX
- PHASE ACCURACY $\pm 3^\circ$ Typ
- SWITCHING SPEED 500 nsec MAX
- OPERATING POWER: +10dBm CW
- SURVIVAL POWER: +25dBm CW MAX
- CONTROL 10 BIT TTL
- POWER SUPPLY
 - +V: +12V to +15V @ 50mA MAX
 - V: -12V to -15V @ 50mA MAX
- SIZE: (L) 2.0" X (W) 2.1" X (H) 0.5"
- FINISH: PAINTED BLUE

PHASE SHIFTER INPUT/OUTPUT INFORMATION

BI-DIRECTIONAL UNIT

DATA TAKEN

J1 - INPUT
J2 - OUTPUT

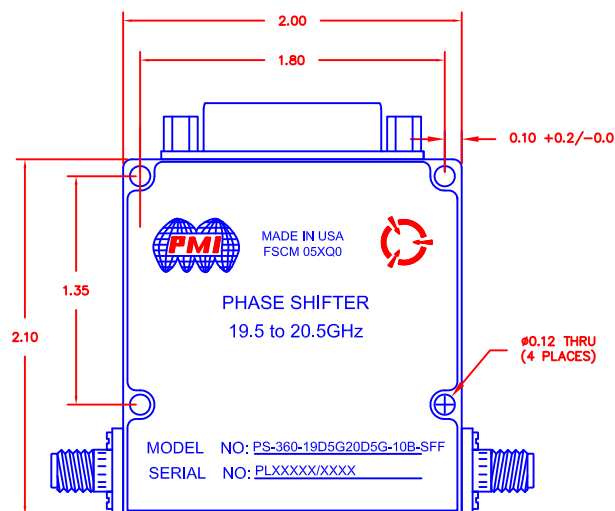
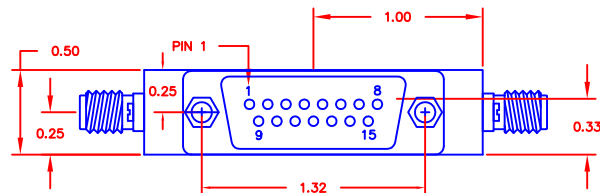
ENVIRONMENTAL RATINGS

- 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	PRELIMINARY	7/14/14	



J3 PIN FUNCTIONS	
PIN NUMBER	FUNCTION
1	-12V TO -15V
2	+12V TO +15V
3	N/C
4	1.4"
5	5.6"
6	45.0"
7	180.0° (MSB)
8	90.0°
9	GROUND
10	0.7"
11	22.5°
12	2.8"
13	11.3°
14	0.35° (LSB)
15	N/C

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	
DRAWN		7/14/14		PRODUCT FEATURE	
MODIFIED				PS-360-19D5G20D5G-10B-SFF	
ISSUED				19.5-20.5 GHz, 0°-360° PHASE SHIFTER	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	