

DESCRIPTION

PMI MODEL NUMBER PS-360-2433D5-6-SFF-1 IS A 2433.5 MHZ 6 BIT DIGITALLY CONTROLLED PHASE SHIFTER WITH CAPABILITY FOR PHASE SHIFTING FROM 0° TO 360°, WITH RESOLUTION AS FINE AS 5.6°.

SPECIFICATIONS

- | | |
|---------------------------------|------------------------------|
| ● FREQUENCY: | 2433.5 MHz ±1 MHz |
| ● INSERTION LOSS | 6dB Typ., 8dB Max. |
| ● VSWR: | 2.0:1 Typ. |
| ● PHASE STATES | SEE TABLE |
| ● PHASE ACCURACY | ±8° Typ. |
| ● SWITCHING SPEED | 150 ns Typ., 250 ns Max. |
| ● CONTROL | 6 BIT TTL |
| ● RF INPUT POWER: | 500 mW @ 21% Duty cycle |
| ● SURVIVAL POWER | +33dBm CW Max. |
| ● POWER SUPPLY | |
| +V: | +5VDC @ 80 mA |
| -V: | -15VDC @ 80 mA |
| ● CONNECTORS (RF) | SMA Female |
| ● CONNECTOR (CONTROL & VOLTAGE) | 15 PIN Subminiature D (male) |
| ● TTL: LOGIC "0" (BIT OFF) | -0.3 to +0.8V |
| LOGIC "1" (BIT ON) | +2.0 to +5.0V |
| ● SIZE: | 2.00" X 2.10" X 0.50" |
| ● FINISH | Painted Gray |

ENVIRONMENTAL RATINGS

- **TEMPERATURE:**..... -40°C TO +70°C (OPERATING)
-40°C TO +85°C (STORAGE)
- **SHOCK:**..... MIL-STD-202F, METHOD 213B COND. B
- **VIBRATION:**..... MIL-STD-202F, METHOD 204D COND. E
- **ALTITUDE:**..... MIL-STD-202F, METHOD 105C COND. B
- **TEMPERATURE CYCLE:**..... MIL-STD-202F, METHOD 107D COND. A

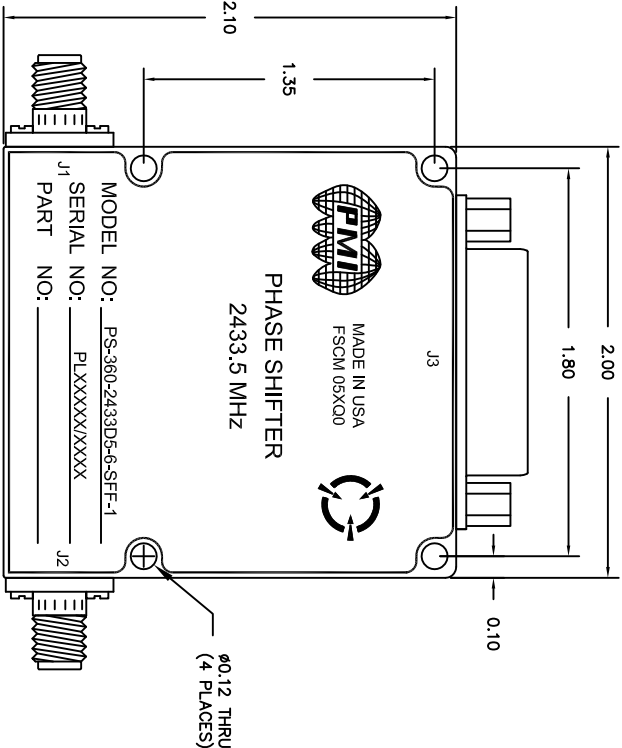
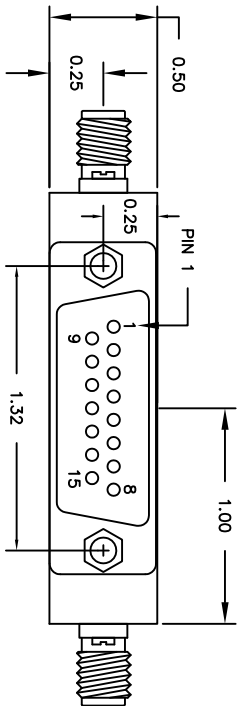
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	2/9/12	JK

PIN NO:	J3 PIN FUNCTIONS
1	GND
2	NOT USED
3	NOT USED
4	GND
5	NOT USED
6	NOT USED
7	5.6° (LSB)
8	11.2°
9	22.5°
10	45°
11	90°
12	180° (MSB)
13	-15V
14	+5V
15	NOT USED (LATCH)

TRUTH TABLE

PHASE	180°	90°	45°	22.5°	11.2°	5.6°
0°	0	0	0	0	0	0
5.6°	0	0	0	0	0	1
11.2°	0	0	0	0	1	0
22.5°	0	0	0	1	0	0
45°	0	0	1	0	0	0
90°	0	1	0	0	0	0
180°	1	0	0	0	0	0
354.4°	1	1	1	1	1	1



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-ff.com

E-MAIL: sales@pmi-rt.com

ISO 9001:2000 CERTIFIED



		TITLE			
APPROVALS		DATE			
DRAWN		2/9/12			
MODIFIED					
ISSUED					
PS-360-2433D5-6-SFF-1 2433.5 MHZ PHASE SHIFTER					
SIZE	FSCM NO.	DMG NO.		REV.	
A	05X00	27016181		A	
SCALE	N:S	SHEET		1 OF 1	

		TITLE			
APPROVALS		DATE			
DRAWN		2/9/12			
MODIFIED					
ISSUED					
		PS-360-2433D5-6-SFF-1			
		2433.5 MHZ PHASE SHIFTER			
SIZE		FSCM NO.		DWG NO.	
A		05X00		27016181	
SCALE		N:S		SHEET	
				1 OF 1	