

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°.

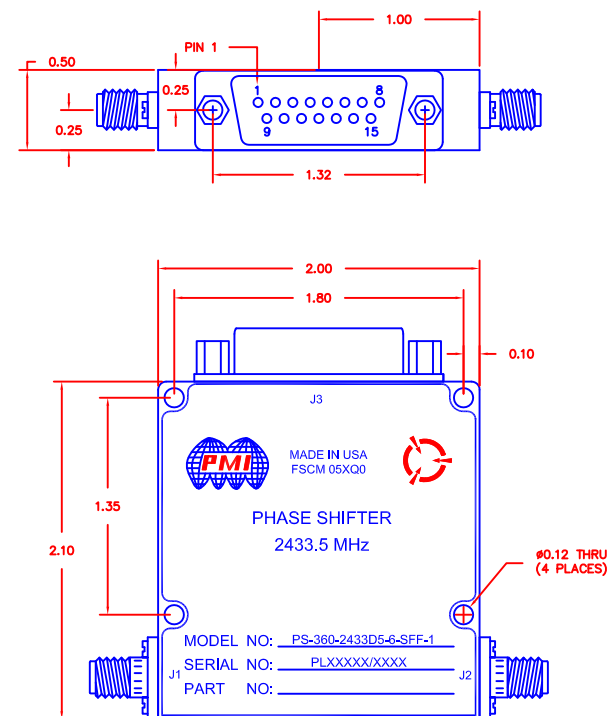
SPECIFICATIONS

- FREQUENCY: 2433.5 MHz $\pm$ 1 MHz
- INSERTION LOSS: 6dB Typ., 8dB Max.
- VSWR: 2.0:1 Typ.
- PHASE STATES: SEE TABLE
- PHASE ACCURACY: $\pm$ 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

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

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. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX $\pm$ 0.020
X.XXX $\pm$ 0.010

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

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APPROVALS		DATE		TITLE			
DRAWN		NJ A		2/9/12		PRODUCT FEATURE	
MODIFIED						PS-360-2433D5-6-SFF-1	
ISSUED						2433.5 MHz PHASE SHIFTER	
SIZE		FSCM NO.		DWG NO.		REV.	
A		05XQ0		27016181		A	
SCALE		N:S				SHEET	
						1 OF 1	