

DESCRIPTION

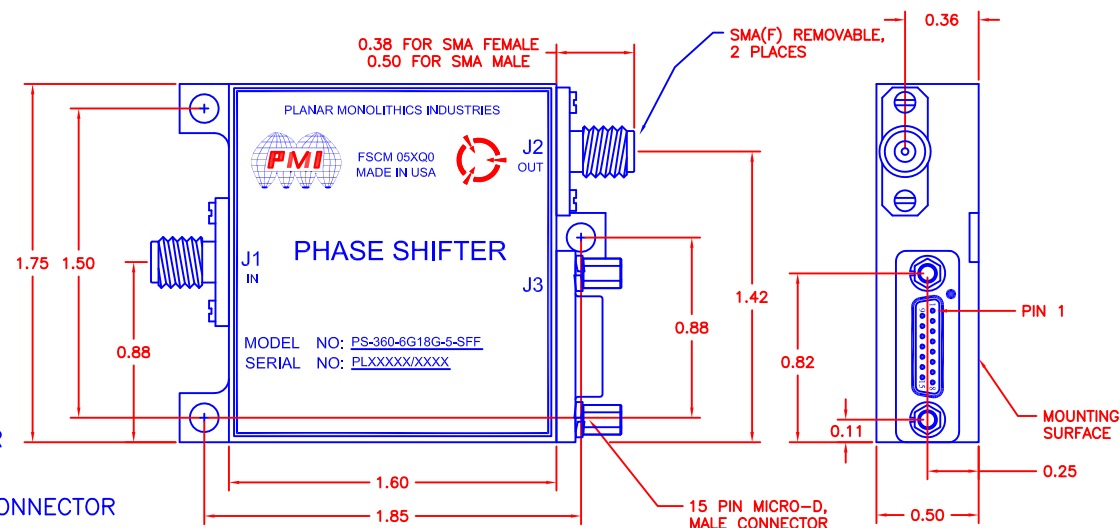
PMI MODEL NO. PS-360-6G18G-5-SFF IS A 5-BIT DIGITALLY CONTROLLED PHASE SHIFTER WITH CAPABILITY FOR PHASE SHIFTING FROM 0° TO 349°. 5 LOGIC INPUT LINES ALLOW VARIOUS PHASE SHIFT WITH AN LSB OF 11.25°.

SPECIFICATIONS

- FREQUENCY RANGE: 6.0 TO 18.0 GHz
- INSERTION LOSS: 8.0 dB MAXIMUM
- VSWR: 2.3:1
- LSB: 11.25°
- CONTROL BITS: 5
- SWITCHING SPEED: 500 ns MAXIMUM
- POWER SUPPLY: +15 V @ 90 mA MAXIMUM
..... -15 V @ 60 mA MAXIMUM
- CONNECTORS:
 - RF INPUT/OUTPUT: SMA FEMALE
 - CONTROL: TTL THRU "D" MULTIPIN CONNECTOR
- SIZE: (L) 1.60 X (W) 1.75" X (H) 0.50"
*EXCLUDING MOUNTING HOLES + CONNECTOR
- FINISH: PAINTED BLUE

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	—	PRELIMINARY	07/02/15

MECHANICAL OUTLINE



CONNECTOR TABLE

PIN	FUNCTION	PIN	FUNCTION
1	GROUND	9	90°
2	+5V	10	180° (MSB)
3	-12V TO -15V	11	N/C
4	N/C	12	45°
5	N/C	13	GROUND
6	N/C	14	N/C
7	22.5°	15	N/C
8	11.3° (LSB)		

PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40 °C TO +85°C (OPERATING)
..... -65 °C TO +100 °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

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APPROVALS		DATE		TITLE	
DRAWN		DATE		PRODUCT FEATURE	
CHECKED		DATE		PS-360-6G18G-5-SFF	
ISSUED		DATE		6 TO 18 GHz DIGITALLY CONTROLLED PHASE SHIFTER	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	