

DESCRIPTION

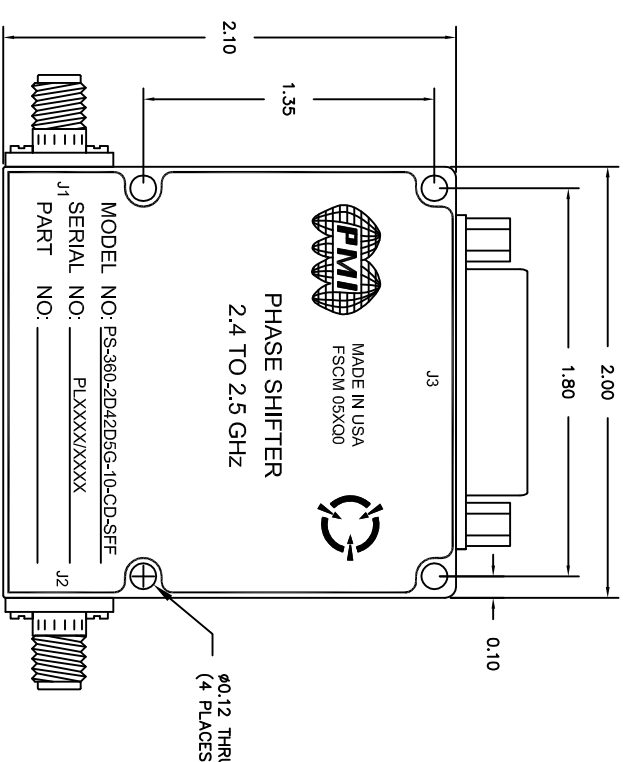
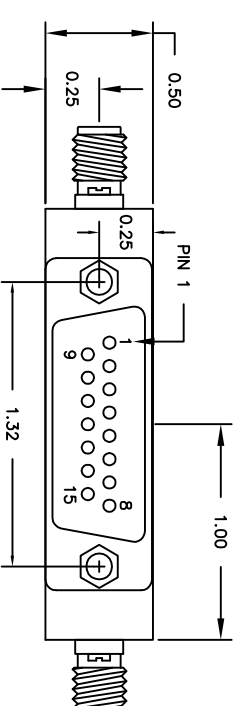
PMI MODEL NUMBER PS-360-2D42D5G-10-CD-SFF IS A 2.4 TO 2.5 GHZ 10 BIT DIGITALLY CONTROLLED PHASE SHIFTER WITH CAPABILITY FOR PHASE SHIFTING FROM 0° TO 360°, WITH RESOLUTION AS FINE AS 0.36°.

SPECIFICATIONS

- FREQUENCY RANGE: 2.4 TO 2.5 GHZ
- RF INPUT POWER: 20dBm
- CONTROL: 10 BIT TTL
- PHASE CONTROL RANGE: 360 DEGREES TYP.
- LSB: 0.36°
- SWITCHING SPEED: 1 usec, 500 nsec TYP.
- INSERTION LOSS: 6dB TYP.
- CONNECTORS (RF): SMA FEMALE
- CONNECTOR (CONTROL): 15 PIN SUBMINIATURE D (MALE)
- RF IMPEDANCE: 50 OHMS
- VSWR: 1.75:1
- LOGIC BITS: 10 (SEE PIN FUNCTION TABLE)
- TTL: "0" = -0.3 to +0.8V
"1" = +2 to +5V
- POWER SUPPLY
+V: +12V to +15V @ 100 mA
-V: -12V to -15V @ 90 mA
- SIZE: 2.00" X 2.10" X 0.50"
- FINISH: PAINTED GRAY

REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
	A	ORIGINAL RELEASE	11/4/11	
	B	LOWER STORAGE TEMP -40°C WAS -20°C	2/9/12	gk

PIN NO:	J3 PIN FUNCTIONS
1	GND
2	0.36
3	0.7°
4	GND
5	1.4°
6	2.8°
7	5.6°
8	11.2°
9	22.5°
10	45°
11	90°
12	180°
13	-12V
14	+12V
15	NOT USED (LATCH)



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- 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

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

APPROVALS	DATE	TITLE	PRODUCT FEATURE
N/A	11/9/11	PS-360-2D42D5G-10-CD-SFF	2.4 TO 2.5 GHZ PHASE SHIFTER
MODIFIED		SIZE	FSCM NO.
		A	05X00
ISSUED		SCALE	N:S
		DWG NO.	27014881
		REV.	B
		SHEET	1 OF 1