

DESCRIPTION

PMI MODEL NUMBER PS-4G6G-10B-SFF IS A 10-BIT DIGITAL PHASE SHIFTER THAT OPERATES OVER THE 4.0 TO 6.0 GHz FREQUENCY RANGE. THIS MODEL OFFERS 360 DEGREES PHASE SHIFT WITH A LSB OF 0.35 DEGREES.

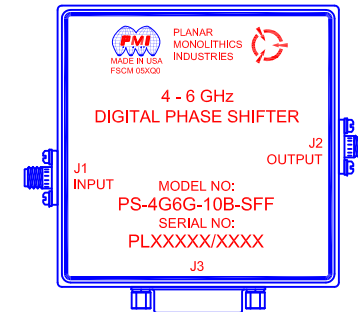
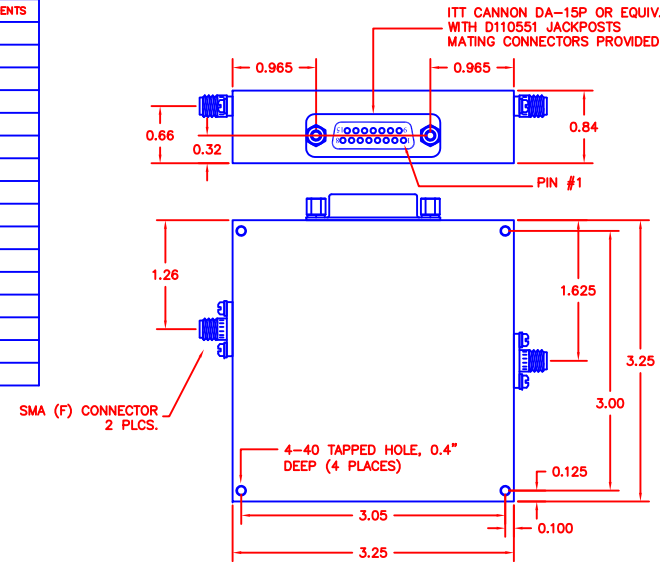
SPECIFICATIONS

- FREQUENCY RANGE: _____ 4.0 TO 6.0 GHz
- CONTROL: _____ 10 BIT TTL
- VSWR: _____ 1.6:1 MAX
- PHASE FLATNESS: _____ $\pm 10^\circ$ MAX
- PHASE SHIFT: _____ 360°
- HARMONIC: _____ -50 dBc MIN
- SPURIOUS SUPPRESSION: _____ -60 dBc MIN
- SIZE: _____ (L) 3.25" x (W) 3.25" x (H) 0.84"
- CONNECTORS:
 - RF: _____ SMA FEMALE
 - CONTROL: _____ 15 PIN SUBMINIATURE D (MALE)
- FINISH _____ BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

ELECTRICAL CONNECTOR PIN ASSIGNMENTS	
PIN	FUNCTION
1	-VDC
2	+VDC
3	N/C
4	1.4°
5	5.6°
6	45°
7	180.0° (MSB)
8	90°
9	GND
10	N/C
11	22.5°
12	2.8°
13	11.3°
14	0.7°
15	0.35° (LSB)

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	2/22/18	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ± 0.020
X.XXX ± 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	<i>fk</i>	06/05/14	PRODUCT FEATURE PS-4G6G-10B-SFF 4.0-6.0GHz, 0°-360° PHASE SHIFTER		
REDRAWN	<i>BW</i>	2/22/18	SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 1