

**DESCRIPTION:**

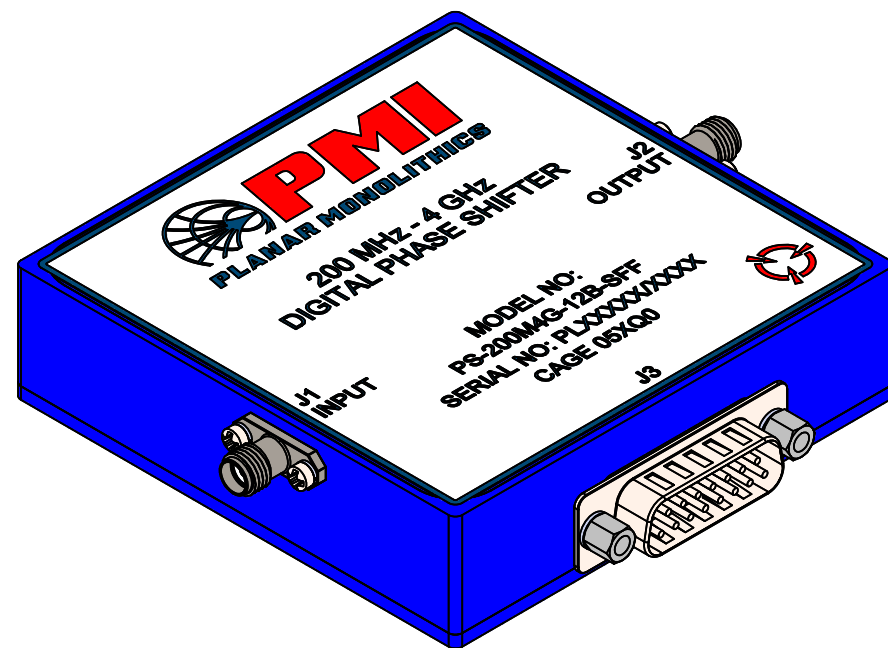
PMI MODEL PS-200M10G-8B-STRB-SFF IS A 12-BIT DIGITAL PHASE SHIFTER THAT OPERATES OVER THE 200 MHz TO 4 GHz FREQUENCY RANGE. THIS MODEL OFFERS 360 DEGREES OF PHASE SHIFT WITH THE LEAST SIGNIFICANT BIT OF 0.09 DEGREES.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	06/16/22	
	C1	ECN #26-0030	02/24/26	

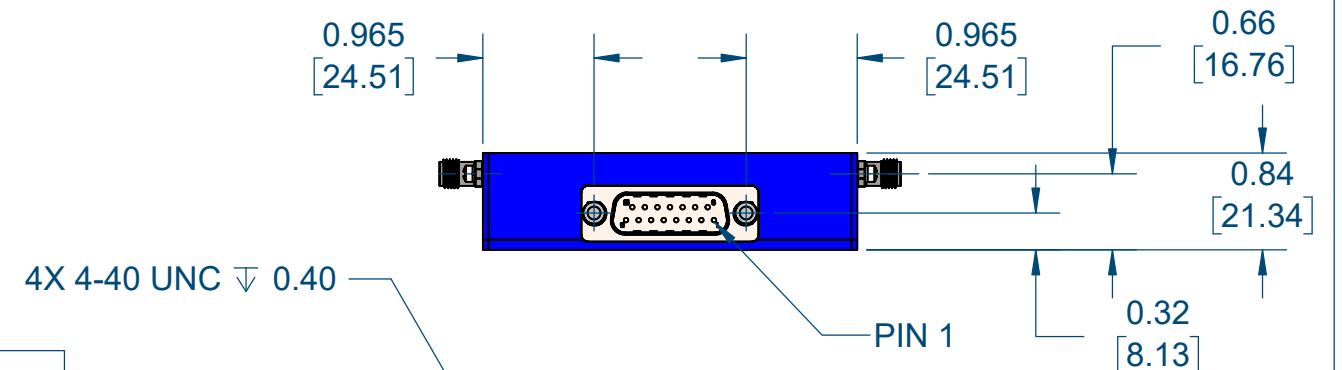
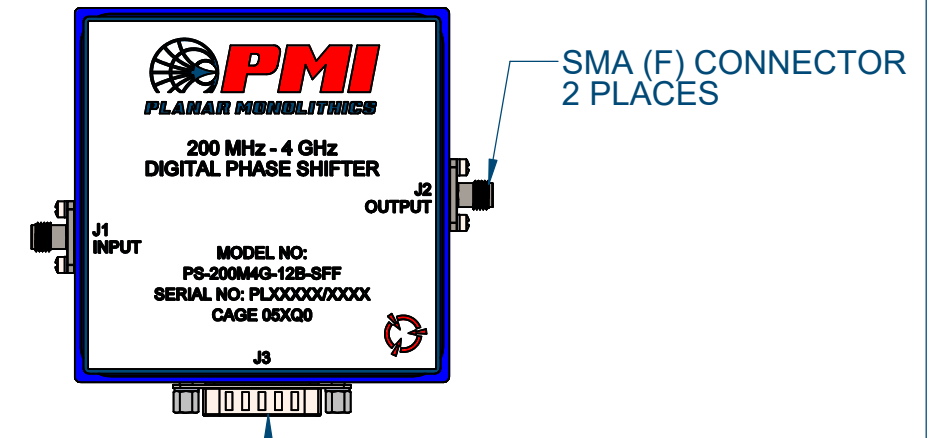
**SPECIFICATIONS @+25°C:**

MEASURED AT -10 dBm INPUT POWER

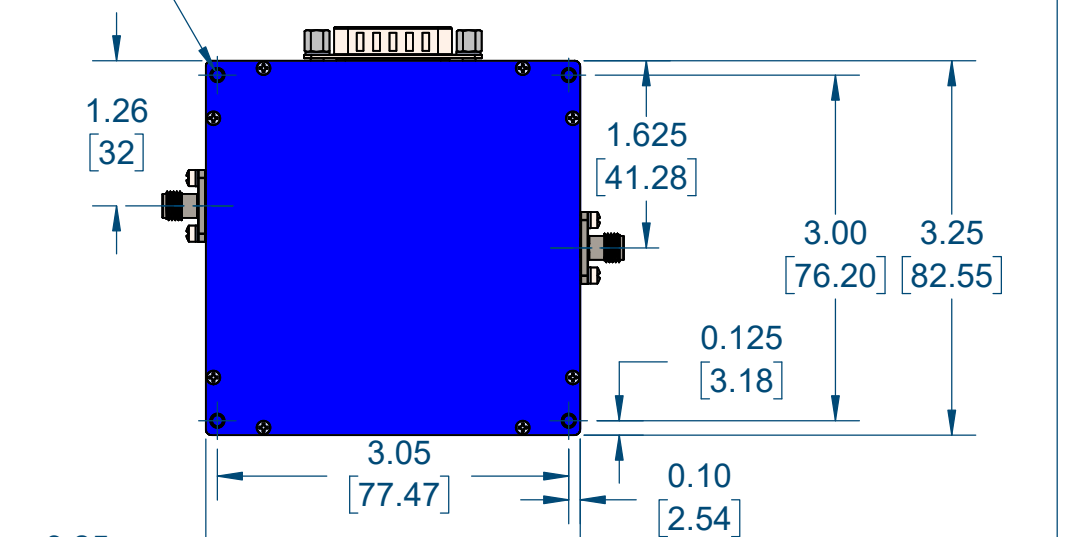
- FREQUENCY RANGE:..... 200 MHz TO 4 GHz
- CONTROL:..... 12 BIT TTL
- INSERTION LOSS:..... 10 dB MAX.
- PHASE SHIFT:..... 360°
- PHASE SHIFT ERROR:..... ±5° MAX.
- SWITCHING SPEED:..... 500 ns MAX.
- DC SUPPLY:..... +15 V @ 300 mA MAX.  
-15 V @ 50 mA MAX.
- CONNECTORS:..... RF: SMA FEMALE  
CONTROL: 15 PIN SUBMINIATURE D (MALE)  
MATING CONNECTOR SUPPLIED WITH THE UNIT
- SIZE:..... 3.25" x 3.25" x 0.84"  
[82.55 mm x 82.55 mm x 21.34 mm]
- FINISH:..... PAINTED BLUE



ITT CANNON DA-15P OR EQUIV. WITH D110551 JACKPOSTS MATING CONNECTORS PROVIDED



PIN	FUNCTION
1	-VDC
2	+VDC
3	GND
4	180° (MSB)
5	90°
6	45°
7	22.5°
8	11.25°
9	5.63°
10	2.81°
11	1.4°
12	0.7°
13	0.35°
14	0.18°
15	0.09° (LSB)



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

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

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED

APPROVALS	DATE	TITLE
DRAWN ANTON L.	2/24/26	OUTLINE PS-200M4G-12B-SFF
REDRAWN		
ISSUED		

SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27044180	C1

SCALE 1:1 SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:  
FRACTIONS DECIMALS ANGLES  
± .XX ± 0.02 ±  
± .XXX ± 0.01