

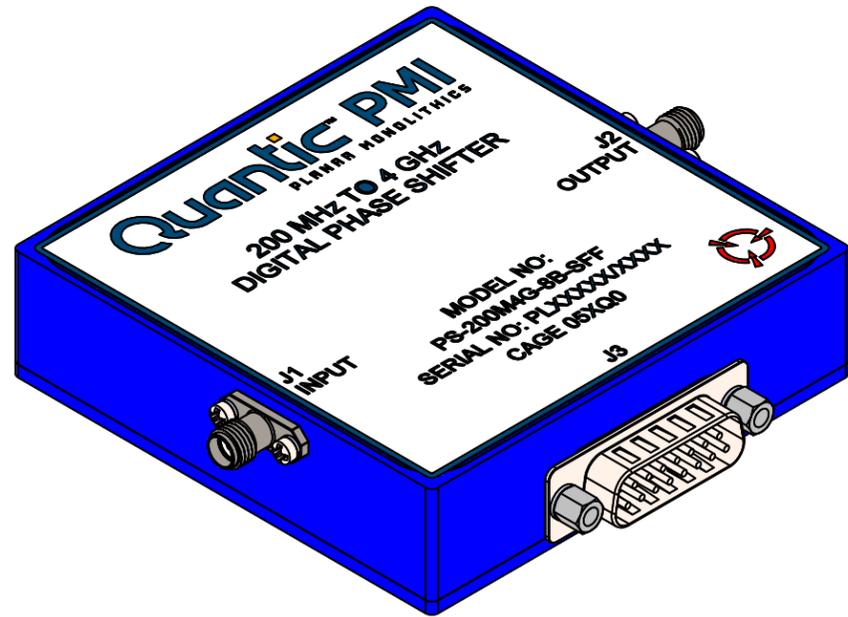
**DESCRIPTION:**

PMI MODEL PS-200M4G-8B-SFF IS A 8-BIT DIGITAL PHASE SHIFTER THAT OPERATES OVER THE 200 MHz TO 4.0 GHz FREQUENCY RANGE. THIS MODEL OFFERS 360 DEGREES OF PHASE SHIFT WITH THE LEAST SIGNIFICANT BIT OF 1.4 DEGREES.

**SPECIFICATIONS:**

MEASURED AT -10 dBm INPUT POWER

- FREQUENCY RANGE:..... 200 MHz TO 4.0 GHz
- CONTROL:..... 8 BIT TTL
- INSERTION LOSS:..... 10.5 dB TYP.
- PHASE SHIFT:..... 360°
- PHASE SHIFT ERROR:..... ±0.5° TYP.
- SWITCHING SPEED:..... 500 ns MAX.
- DC SUPPLY:..... +15 V @ 200 mA TYP.  
-15 V @ 50 mA TYP.
- 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

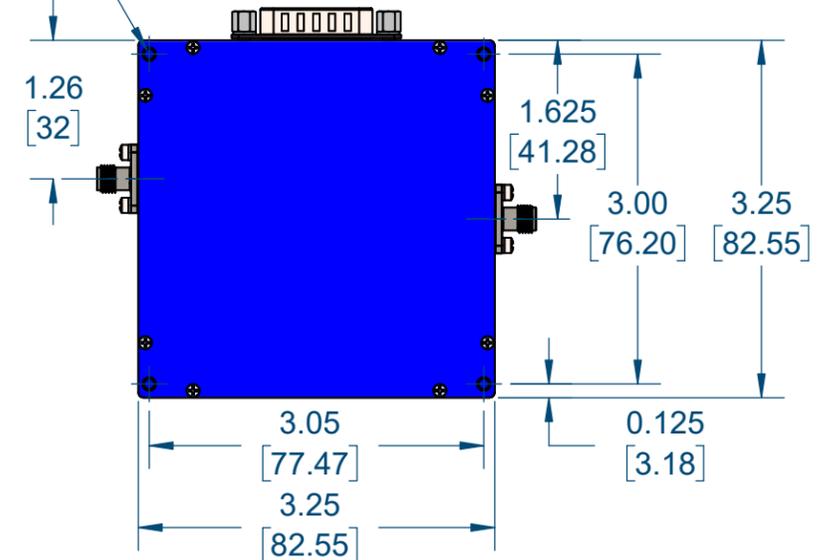
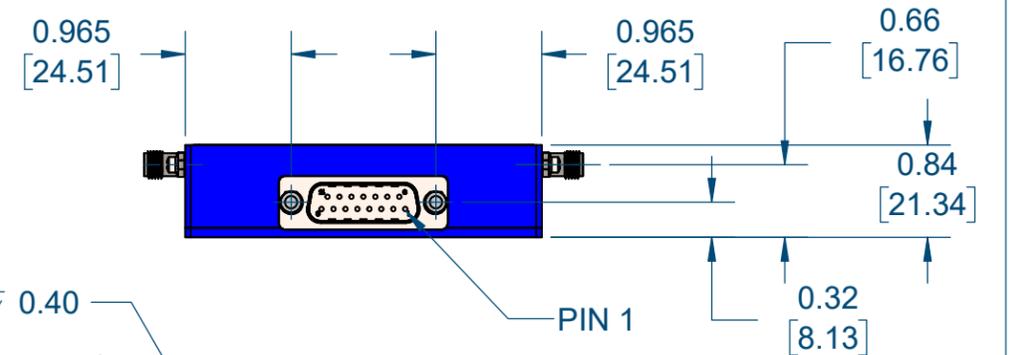
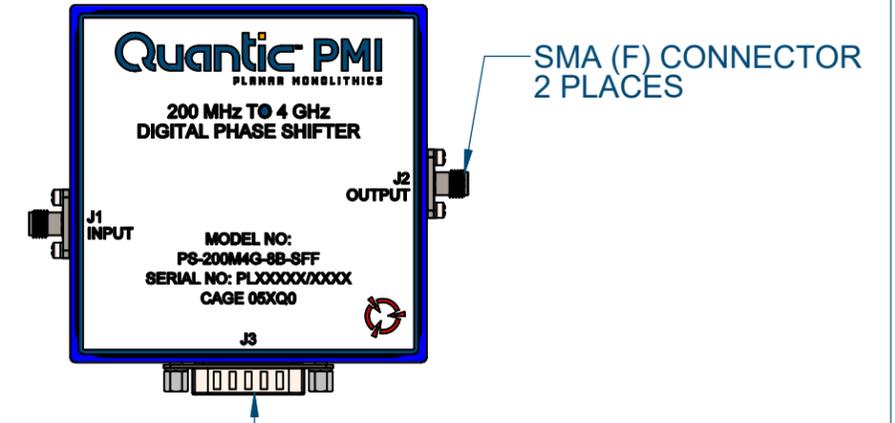


**ENVIRONMENTAL RATINGS:**

- 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

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



ELECTRICAL CONNECTOR PIN ASSIGNMENTS	
PIN	FUNCTION
1	-VDC
2	+VDC
3	N/C
4	1.4° (LSB)
5	5.6°
6	45°
7	180° (MSB)
8	90°
9	GND
10	N/C
11	22.5°
12	2.8°
13	11.3°
14	N/C
15	N/C

PMI CONFIDENTIAL AND PROPRIETARY

<p><b>Quantic PMI</b> PLANAR MONOLITHICS 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED</p>		<p>APPROVALS DATE DRAWN AL 10/20/25 REDRAWN ISSUED</p>		<p>TITLE OUTLINE PS-200M4G-8B-SFF</p>	
SIZE B	FSCM NO. 05XQ0	DWG NO. 27030012	REV. A2		
SCALE 0.6:1			SHEET 1 OF 1		

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