

DESCRIPTION:

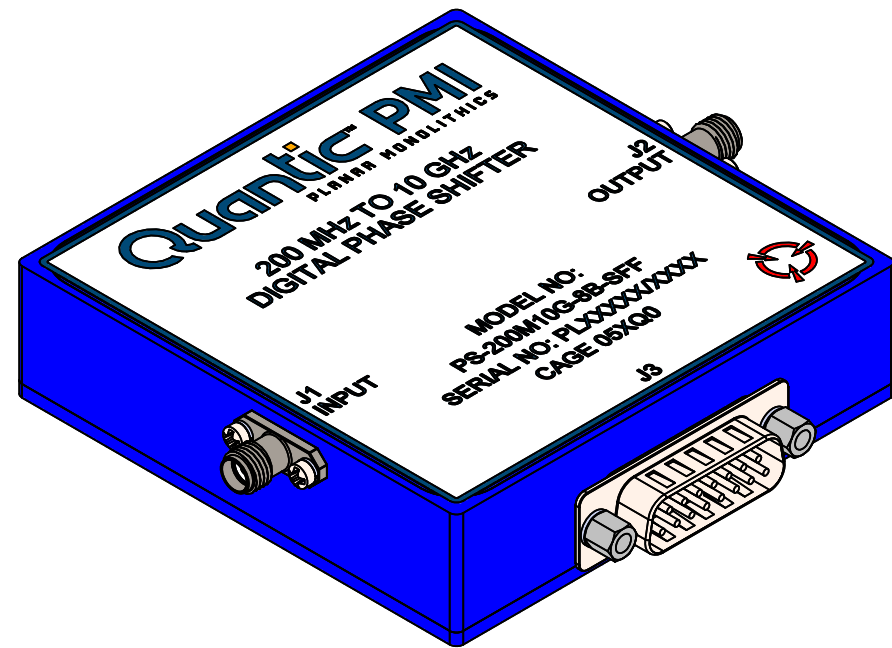
PMI MODEL PS-200M10G-8B-SFF IS A 8-BIT DIGITAL PHASE SHIFTER THAT OPERATES OVER THE 200 MHz TO 10 GHz FREQUENCY RANGE. THIS MODEL OFFERS 360 DEGREES OF PHASE SHIFT WITH THE LEAST SIGNIFICANT BIT OF 1.4 DEGREES.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	9/9/16	
	A1	ECN # 19-0119	5/6/19	
	B1	ECN # 25-0276	9/30/25	

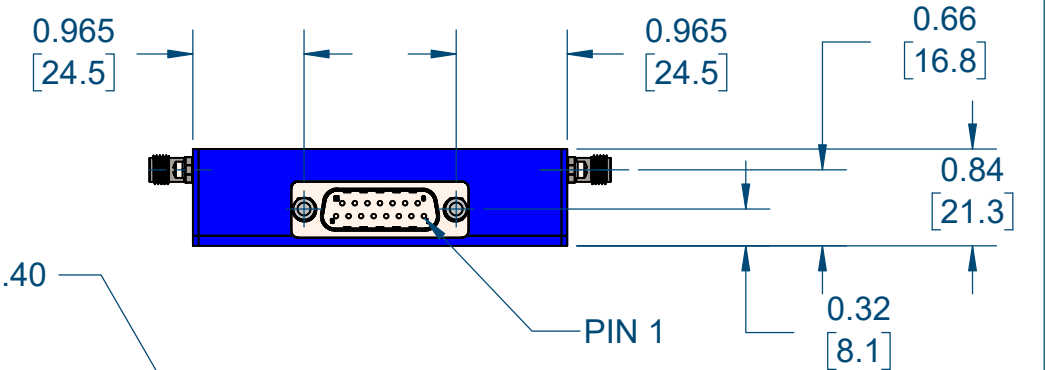
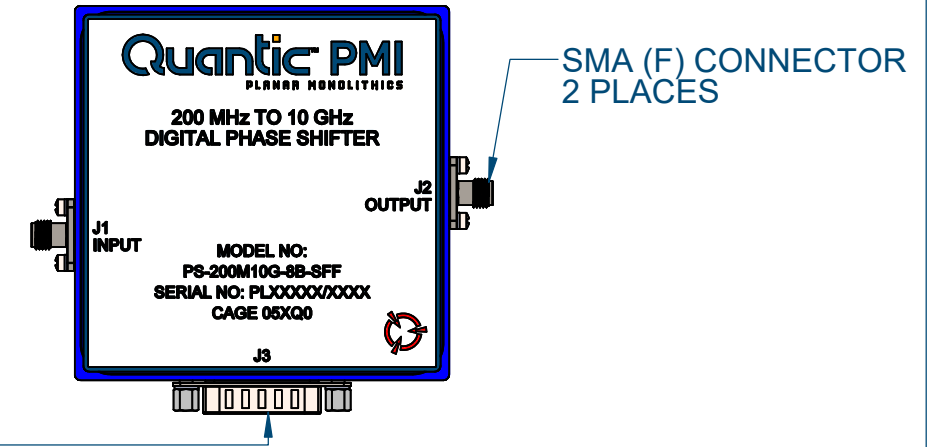
SPECIFICATIONS:

MEASURED AT -10 dBm INPUT POWER

- FREQUENCY RANGE:.....200 MHz TO 10 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 MAX.
-15 V @ 50 mA MAX.
- SIZE:.....3.25" x 3.25" x 0.84"
[82.55 mm x 82.55 mm x 21.34 mm]
EXCLUDING MOUNTING PLATE
- CONNECTORS:.....RF: SMA FEMALE
CONTROL: 15 PIN SUBMINIATURE D (MALE)
MATING CONNECTOR SUPPLIED WITH THE UNIT
- 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.

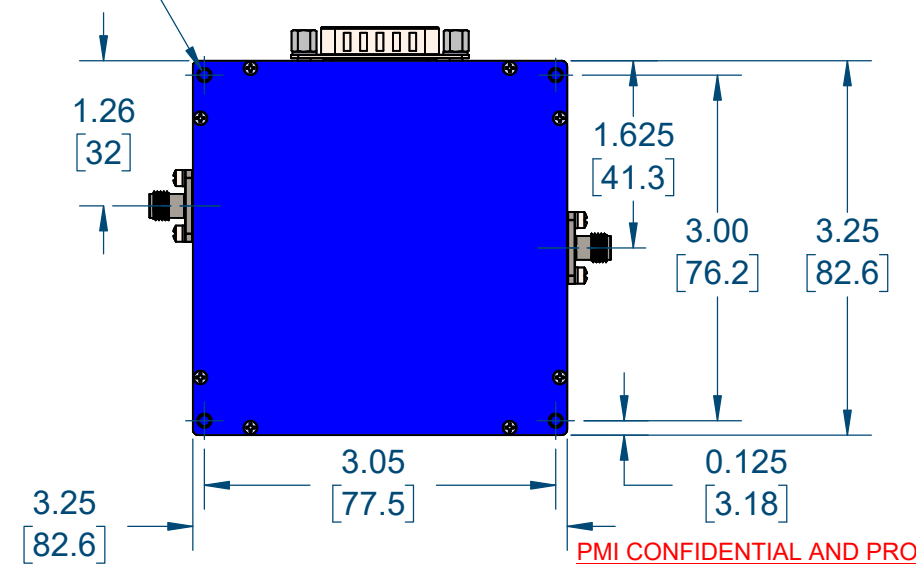


ITT CANNON DA-15P OR EQUIV.
WITH D110551 JACKPOSTS
MATING CONNECTORS PROVIDED



4X 4-40 UNC ∇ 0.40

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

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

<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± XXX ± 0.01</p>		<p>APPROVALS DATE</p> <p>DRAWN AL 9/30/25</p> <p>REDRAWN</p> <p>ISSUED</p>	<p>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>TITLE OUTLINE PS-200M10G-8B-SFF</p> <p>SIZE B FSCM NO. 05XQ0 DWG NO. 272030031 REV. B1</p> <p>SCALE 0.6:1 SHEET 1 OF 1</p>
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