

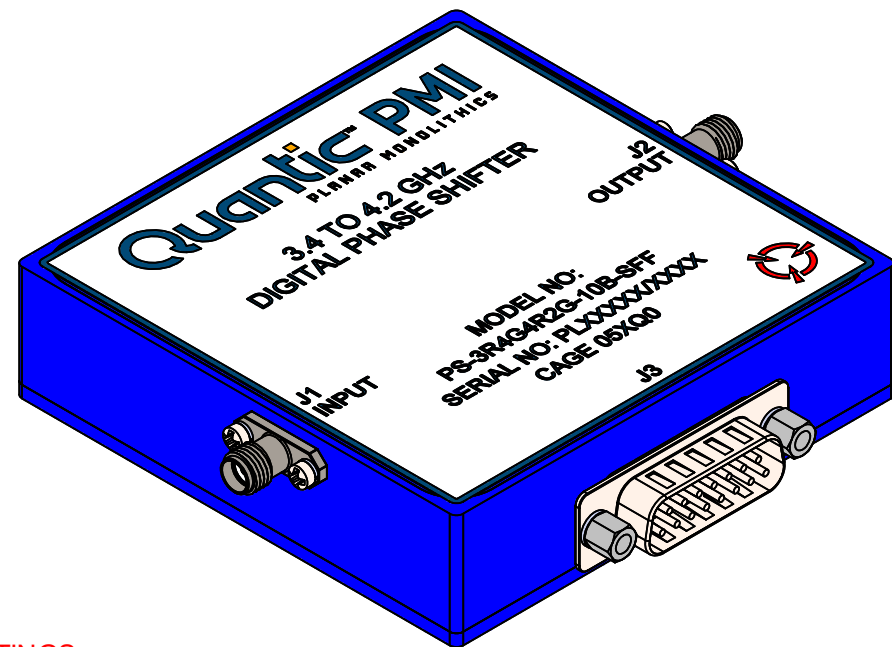
DESCRIPTION:

PMI MODEL PS-3R4G4R2G-10B-SFF IS A 10-BIT DIGITAL PHASE SHIFTER THAT OPERATES OVER THE 3.4 TO 4.2 GHz FREQUENCY RANGE. THIS MODEL OFFERS 360 DEGREES OF PHASE SHIFT WITH THE LEAST SIGNIFICANT BIT OF 0.35 DEGREES.

SPECIFICATIONS:

MEASURED AT -10 dBm INPUT POWER

- FREQUENCY RANGE:.....3.4 TO 4.2 GHz
- CONTROL:.....10 BIT TTL
- INSERTION LOSS:.....10 dB TYP., 11 dB MAX.
- VSWR (INPUT/OUTPUT):.....1.6:1 MAX.
- PHASE SHIFT ERROR:.....±5° MAX.
- PHASE FLATNESS:.....10° MAX.
- PHASE SHIFT:.....360°
- HARMONIC:.....-30 dBc MIN.
- SPURIOUS SUPPRESSION:.....-35 dBc MIN.
- DC SUPPLY:.....+15 V @ 200 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

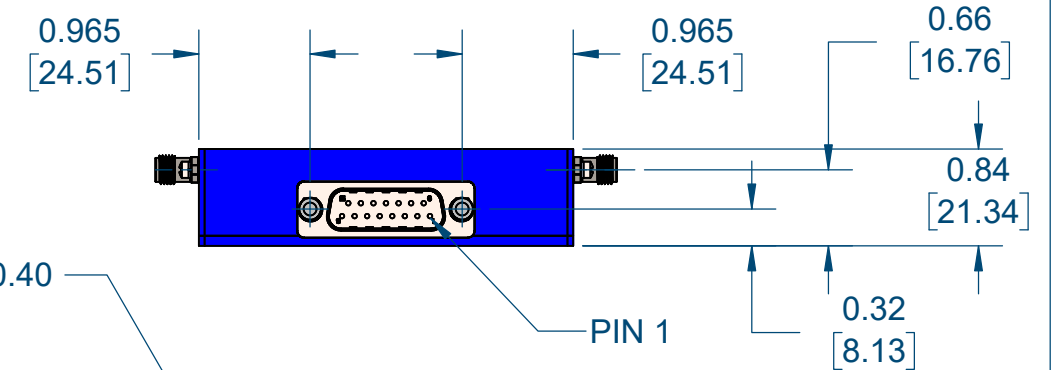
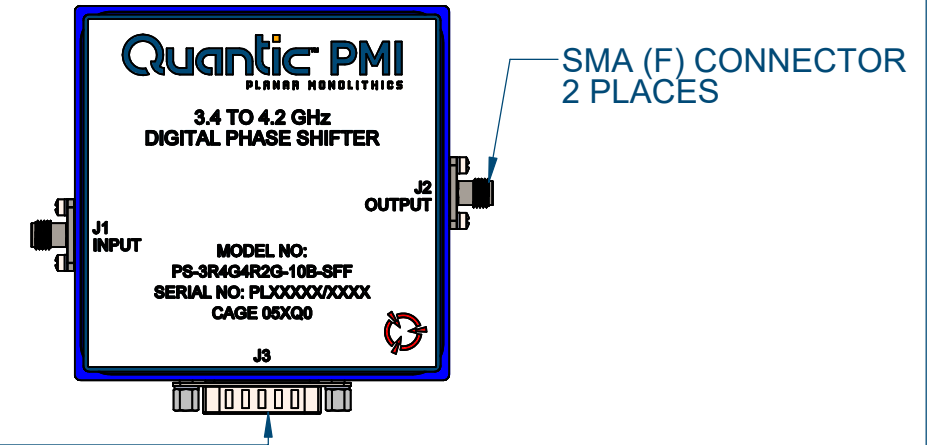


ENVIRONMENTAL RATINGS:

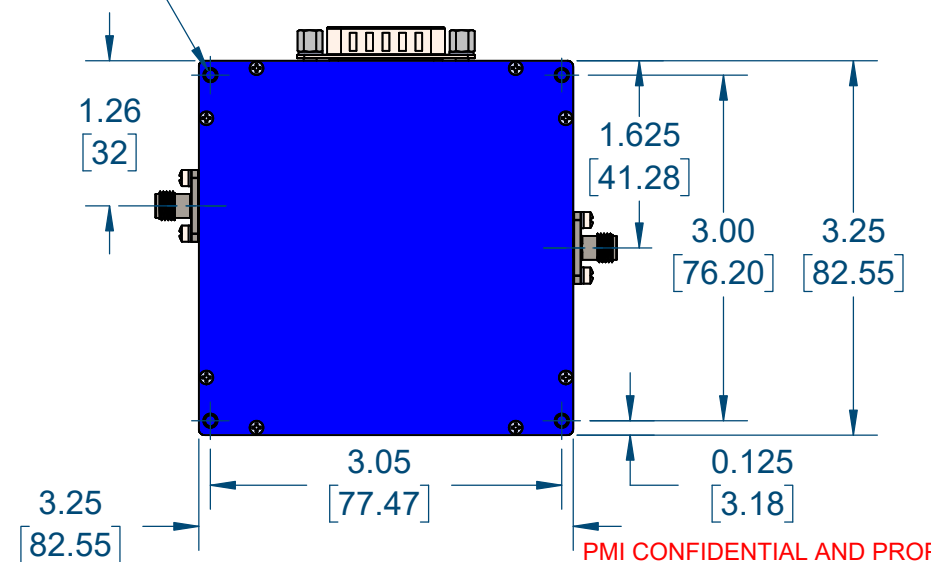
- TEMPERATURE:.....0°C TO +70°C (OPERATING)
- HUMIDITY:.....MIL-STD-202, METHOD 103B COND. B
- SHOCK:.....MIL-STD-202, METHOD 213B COND. B
- VIBRATION:.....MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:.....MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:.....MIL-STD-202, METHOD 107D COND. A

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°
5	5.6°
6	45°
7	180° (MSB)
8	90°
9	GND
10	0.7°
11	22.5°
12	2.8°
13	11.3°
14	0.35° (LSB)
15	N/C



PMI CONFIDENTIAL AND PROPRIETARY

<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01</p>		<p>APPROVALS DATE DRAWN AL 8/14/25 REDRAWN 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-3R4G4R2G-10B-SFF</p>		SIZE B	FSCM NO. 05XQ0	DWG NO. 27052700	REV. A2
SCALE 0.6:1		SHEET 1 OF 1			

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	8/14/25	
	A2	ECN #25-0304	12/4/25	