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

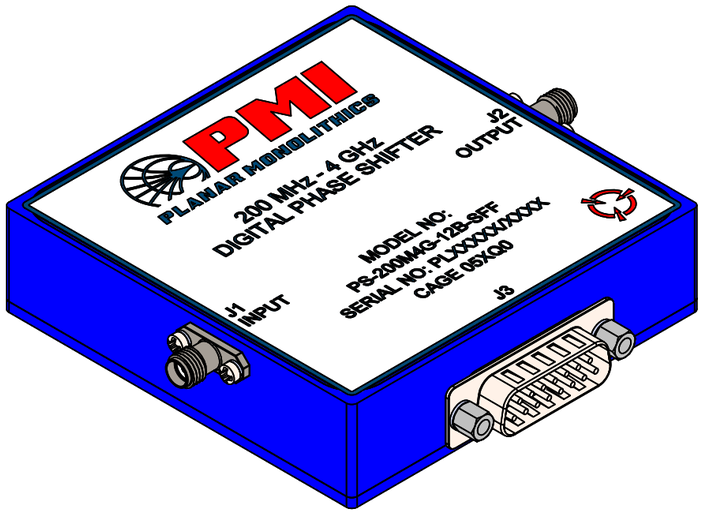
DESCRIPTION:

PMI MODEL PS-200M4G-12B-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.

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

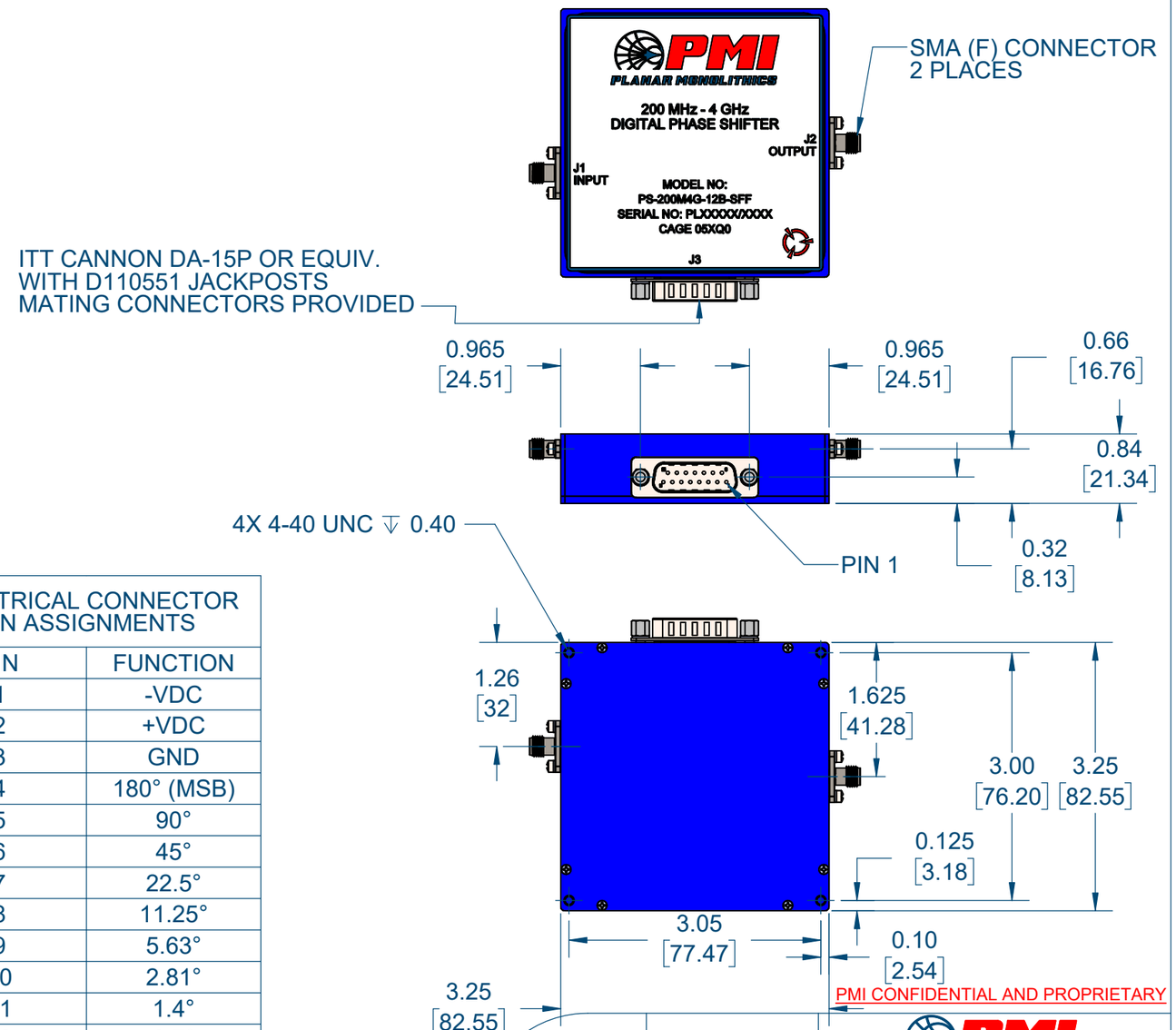


ENVIRONMENTAL RATINGS:

- 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

ELECTRICAL CONNECTOR PIN ASSIGNMENTS	
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)



PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS	DATE
DRAWN ANTON L.	2/24/26
REDRAWN	
ISSUED	

PMI
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WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM
ISO 9001 CERTIFIED

TITLE: OUTLINE
PS-200M4G-12B-SFF

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

SCALE 1:1 SHEET 1 OF 1