

DESCRIPTION:

PMI MODEL NUMBER PS-360-0R5G2G-10B-SFM-7720A IS A 0.5 TO 2.0 GHz DIGITALLY CONTROLLED ANALOG PHASE SHIFTER WITH CAPABILITY FOR PHASE SHIFTING FROM 0° TO 360° WITH 10-BIT ACCURACY.

SPECIFICATIONS:

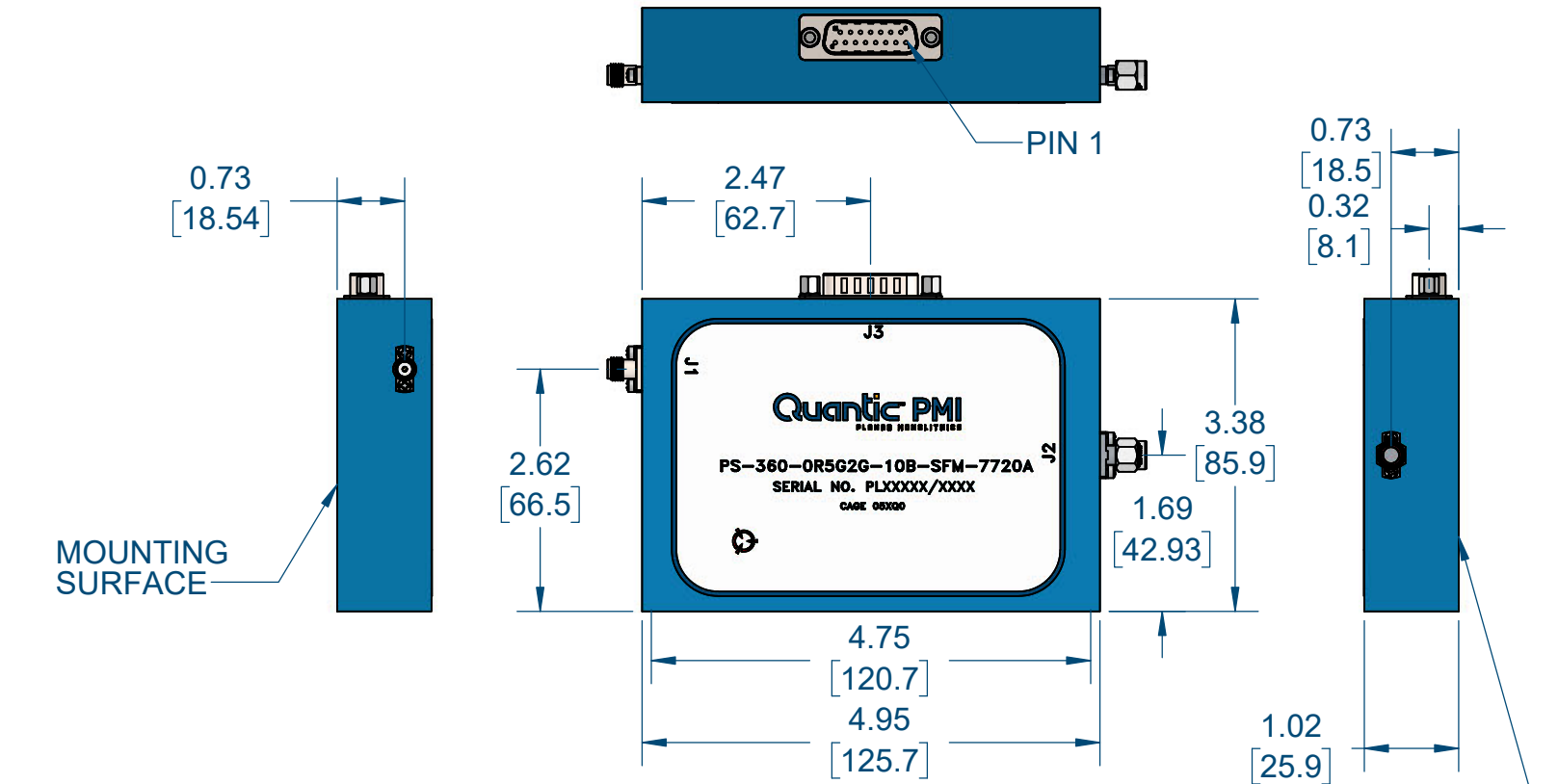
- FREQUENCY RANGE:..... 0.5 TO 2.0 GHz
- INSERTION LOSS:..... 11.5 dB MAX
- VSWR:..... 1.75 : 1 MAX
- PHASE ACCURACY:..... ±10° TYP
- SWITCHING SPEED:..... 500 ns MAX
- OPERATING POWER:..... +7 dBm
- CONTROL:..... 10 BIT TTL
- POWER SUPPLY:..... +12V to +15V @ 50 mA MAX
-12V to -15V @ 90 mA MAX
+5V to +5.5V @ 100 mA MAX
- SIZE:..... (L) 4.95" X (W) 3.38" X (H) 1.02"
- FINISH:..... PAINTED BLUE

ENVIRONMENTAL RATINGS:

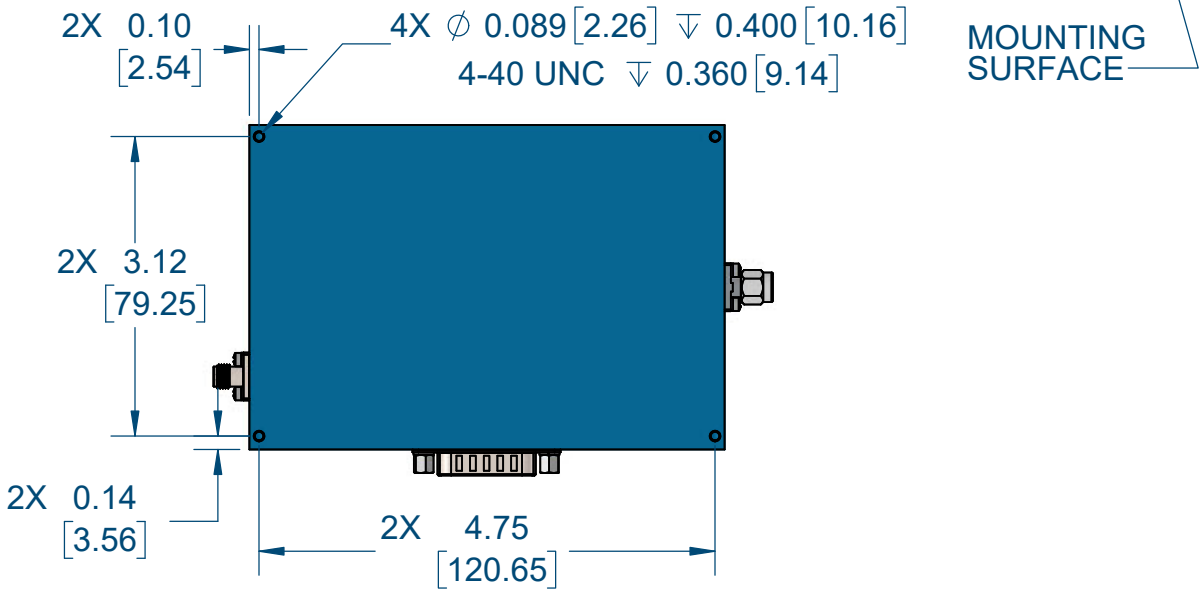
- TEMPERATURE:..... -54°C TO +100°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	10/20/2023	
	B	ROTATE PART	12/7/2023	



J3 PIN FUNCTIONS	
PIN NUMBER	FUNCTION
1	-12V TO -15V
2	+12V TO +15V
3	N/C
4	1.4°
5	5.6°
6	45.0°
7	180.0° (MSB)
8	90.0°
9	GROUND
10	0.7°
11	22.5°
12	2.8°
13	11.3°
14	0.35° (LSB)
15	+5V to +5.5V



PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01		APPROVALS		DATE		Quantic PMI 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			
		DRAWN M.LAULIS		10/20/2023		TITLE PRODUCT FEATURE PS-360-0R5G2G-10B-SFM-7720A			
		REDRAWN				SIZE B			
		ISSUED				FSCM NO. 05XQ0			
						DWG NO. PRELIMINARY			
						REV. B			
						SCALE 1:2			
						SHEET 1 OF 1			