

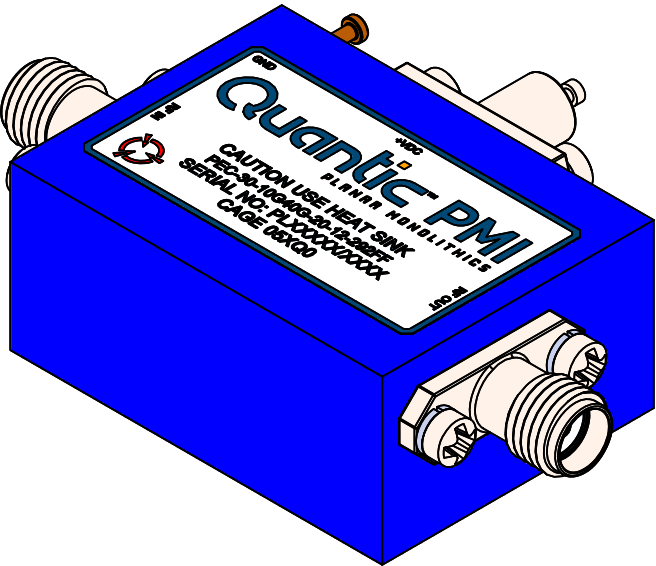
DESCRIPTION:

PMI MODEL NUMBER PEC-30-10G40G-20-12-292FF IS A 10 TO 40 GHz LOW NOISE AMPLIFIER. THIS AMPLIFIER HAS A GAIN OF 26 dB WITH ±2.5 dB FLATNESS.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	06/15/17	
	A1	ECN # 17-0230	05/01/23	
	A2	ECN # 25-0001	03/18/25	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 10 TO 40 GHz
- GAIN:..... 26 dB TYP
- GAIN FLATNESS:..... ±2.5 dB TYP
- NOISE FIGURE:..... 5.5 dB TYP (UP TO 20 GHz)
- OP1dB:..... +19 dBm TYP (10 TO 18 GHz)
+17 dBm TYP (18 GHz TO 40 GHz)
- PSAT:..... +23 dBm TYP (10 TO 18 GHz)
+20 dBm TYP (18 GHz TO 40 GHz)
- MAX CW RF INPUT POWER:..... +17 dBm
- VSWR (INPUT/OUTPUT):..... 2.0:1 MAX (INPUT)
2.5:1 MAX (OUTPUT)
- DC VOLTAGE SUPPLY:..... +12 TO +15 VDC
- DC CURRENT DRAW:..... 400 mA TYP
- CONNECTORS (INPUT/OUTPUT):..... 2.92mm (F)
- FINISH:..... PAINTED BLUE



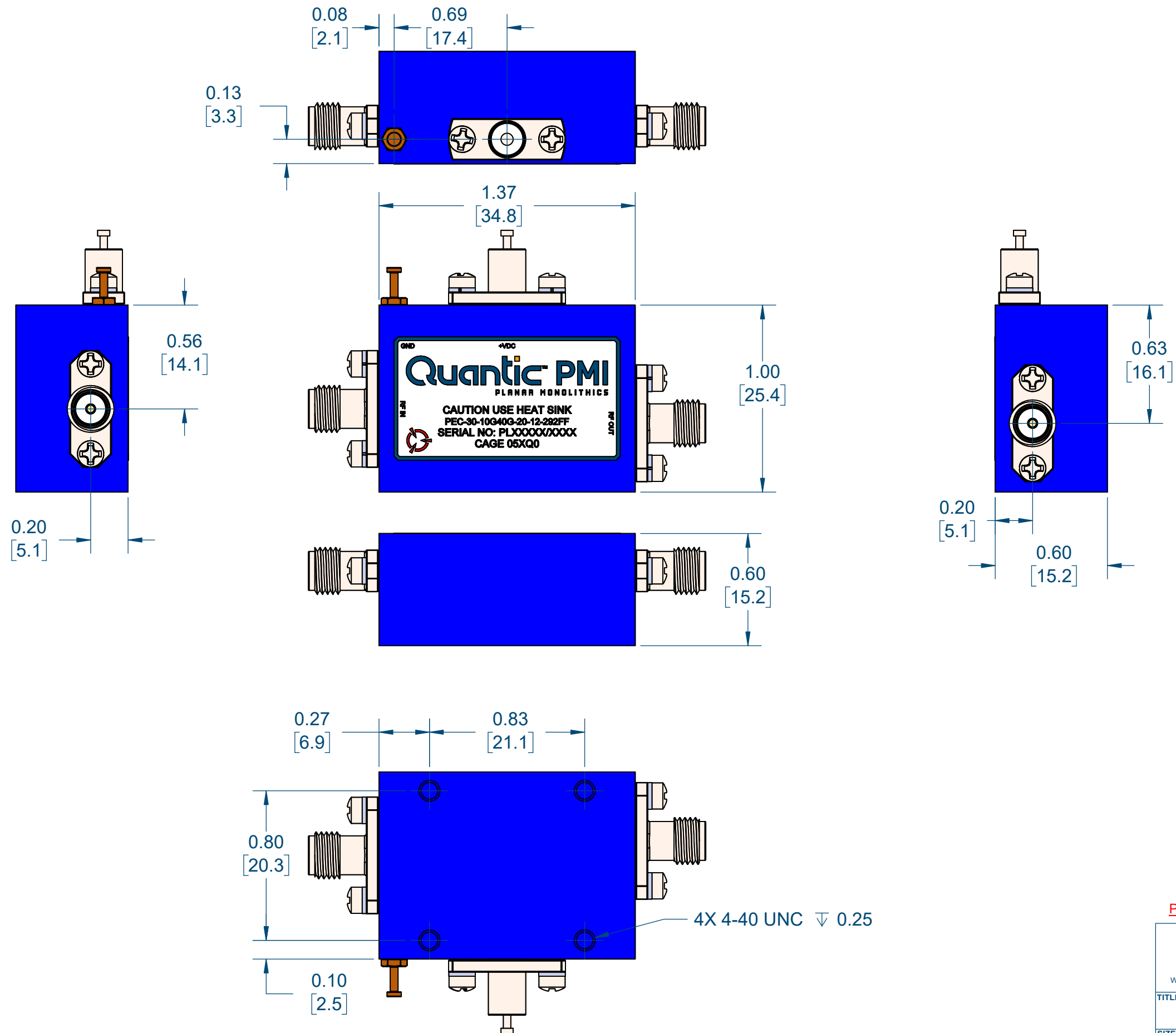
ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-65°C TO +117°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

PMI CONFIDENTIAL AND PROPRIETARY

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

			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					
						APPROVALS		DATE
						DRAWN R. SIRK	03/18/25	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01			TITLE		OUTLINE			
			PEC-30-10G40G-20-12-292FF					
			ISSUED		SIZE B	FSCM NO. 05XQ0	DWG NO. 27032741	REV. A2
					SCALE 2:1		SHEET 1 OF 2	



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TITLE OUTLINE PEC-30-10G40G-20-12-292FF			
SIZE B	FSCM NO. 05XQ0	DWG NO. 27032741	REV. A2
SCALE 2:1		SHEET 2 OF 2	