

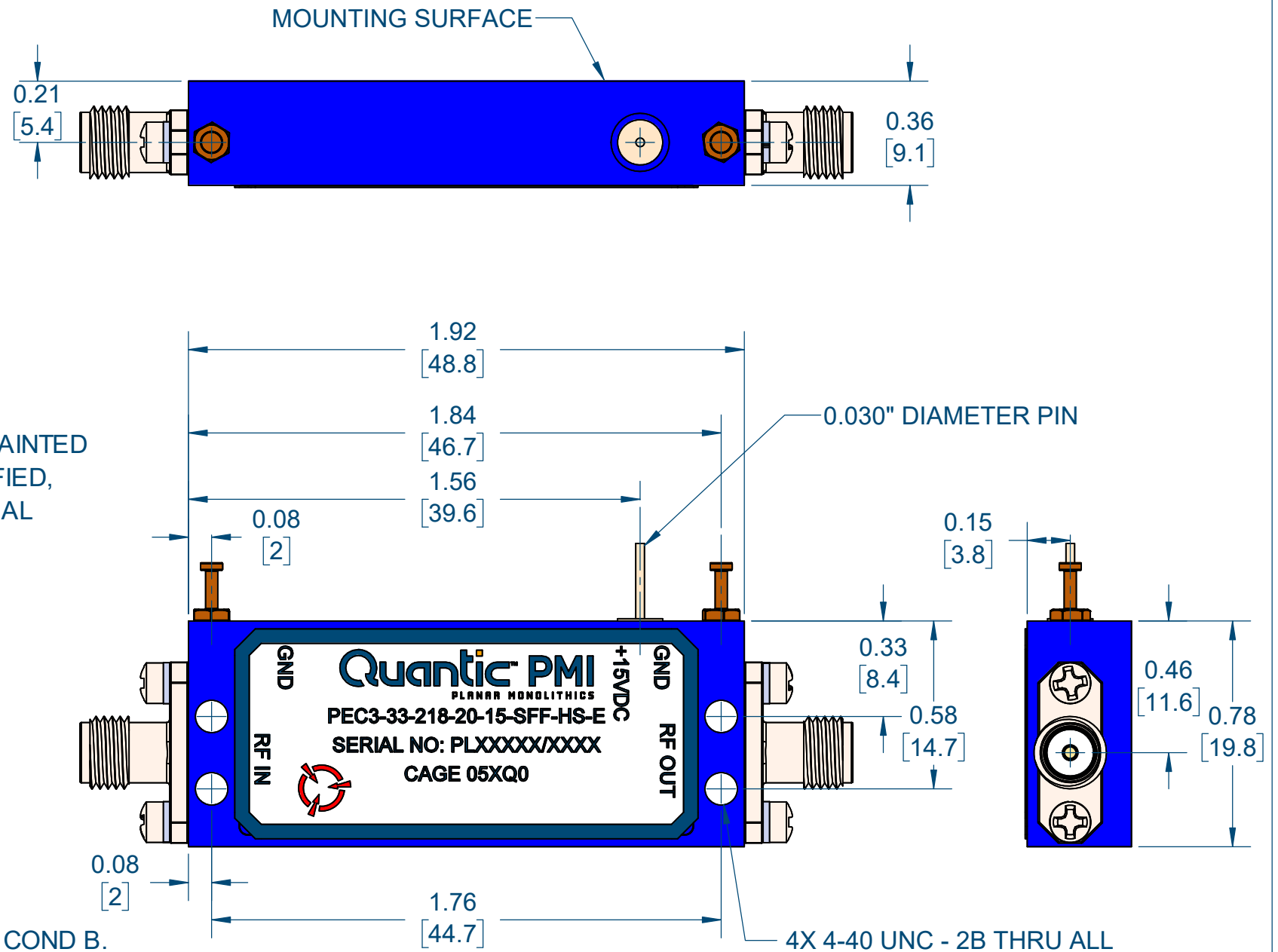
**DESCRIPTION:**

MODEL NUMBER PEC3-33-218-20-15-SFF-HS-E IS A 2-18 GHz LOW NOISE AMPLIFIER. THIS AMPLIFIER HAS A GAIN OF 33 dB MINIMUM WITH ± 2 dB FLATNESS. THIS MODEL PROVIDES THE FOLLOWING PERFORMANCE.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/28/05	
	C3	ECN # 20-0044	3/3/20	
	C4	ECN # 24-0327	11/14/24	

**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 2.0 GHz TO 18.0 GHz
- GAIN:..... +33 dB MIN.
- GAIN FLATNESS:..... ±2 dB MAX
- NOISE FIGURE:..... 4 dB TYP.  
5 dB MAX @ BAND EDGES
- OP1dB:..... +20 dBm MIN.
- OIP3:..... +30 dBm TYP.
- INPUT POWER HANDLING:..... +17 dBm MAX
- VSWR (IN/OUT):..... 2.2:1 MAX
- DC VOLTAGE SUPPLY:..... +15 VDC
- DC CURRENT DRAW:..... 350 mA TYP., 450 mA MAX
- FINISH:..... PAINTED BLUE  
MOUNTING SURFACE IS UNPAINTED
- SEALING:..... UNLESS OTHERWISE SPECIFIED,  
PMI WILL SUPPLY EPOXY SEAL



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)  
-65°C TO +117°C (STORAGE)
- HUMIDITY:..... MIL-STD-202F, METHOD 103B COND B.
- SHOCK:..... MIL-STD-202F, METHOD 213B COND B.
- ALTITUDE:..... MIL-STD-202F, METHOD 105C COND B.
- TEMPERATURE CYCLE:..... MIL-STD-202F, METHOD 107D COND A.

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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		APPROVALS DATE DRAWN KM 2/28/05 REDRAWN ISSUED		TITLE OUTLINE PEC3-33-218-20-15-SFF-HS-E	
		SIZE B FSCM NO. 05XQ0 DWG NO. 27002306 SCALE 2:1	REV. C4	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	