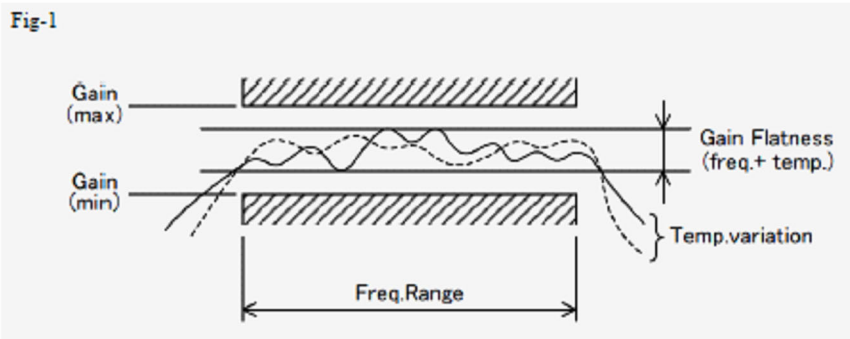


DESCRIPTION:  
PMI MODEL NO. PLNA-4G8G-42-4D5DB-10BBM-SFF IS AN AMPLIFIER THAT MEETS THE SPECIFICATIONS BELOW.

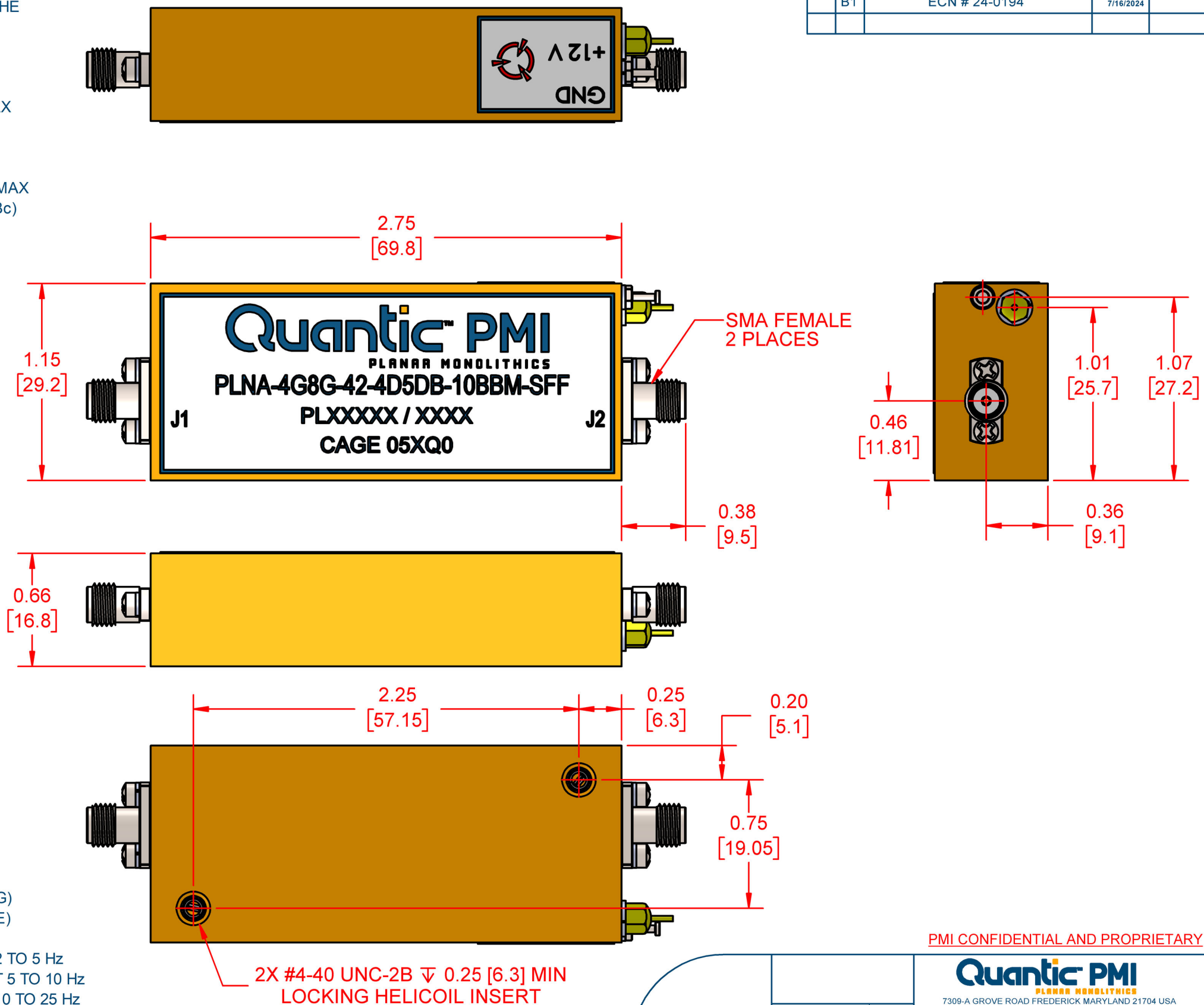
- SPECIFICATIONS:
- FREQUENCY RANGE:..... 4.0 TO 8.0 GHz
  - GAIN (MIN - MAX):..... +39 dB MIN TO +45 dB MAX
  - GAIN FLATNESS:..... ±2.5 dB MAX
  - NOISE FIGURE:..... 4.5 dB MAX
  - SATURATED OUTPUT POWER:..... +8 dBm MIN TO +12 dBm MAX
  - HARMONICS AT +5 dBm INPUT:..... -11 dBc MAX (GOAL -13 dBc)
  - VSWR (INPUT/OUTPUT):..... 2.0:1 MAX
  - DC POWER SUPPLY:..... +12 VDC @ 420 mA MAX
  - GAIN AT 10 GHz:..... 0 dB MAX
  - FINISH:..... GOLD PLATED



- ENVIRONMENTAL RATINGS:
- TEMPERATURE:..... 0°C TO +70°C (OPERATING)  
-30°C TO +70°C (STORAGE)
  - HUMIDITY:..... 95%RH AT +45°C
  - VIBRATION:..... 5mm PEAK TO PEAK AT 2 TO 5 Hz  
1.5mm PEAK TO PEAK AT 5 TO 10 Hz  
3mm PEAK TO PEAK AT 10 TO 25 Hz  
ALL 3 AXES, 2 HOURS EACH
  - SHOCK:..... 20g AT 11ms

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

| ZONE | REV. | DESCRIPTION      | DATE      | APPROVED |
|------|------|------------------|-----------|----------|
|      | A1   | ORIGINAL RELEASE | 2/14/2024 |          |
|      | B1   | ECN # 24-0194    | 7/16/2024 |          |



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<br>S AZHAR | 2/14/2024 |
| REDRAWN          |           |
| ISSUED           |           |

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

|                                                  |                   |
|--------------------------------------------------|-------------------|
| TITLE<br>OUTLINE<br>PLNA-4G8G-42-4D5DB-10BBM-SFF |                   |
| SIZE<br>B                                        | FSCM NO.<br>05XQ0 |
| DWG NO.<br>27047940                              | REV.<br>B1        |

SCALE 1.5:1

SHEET 1 OF 1