

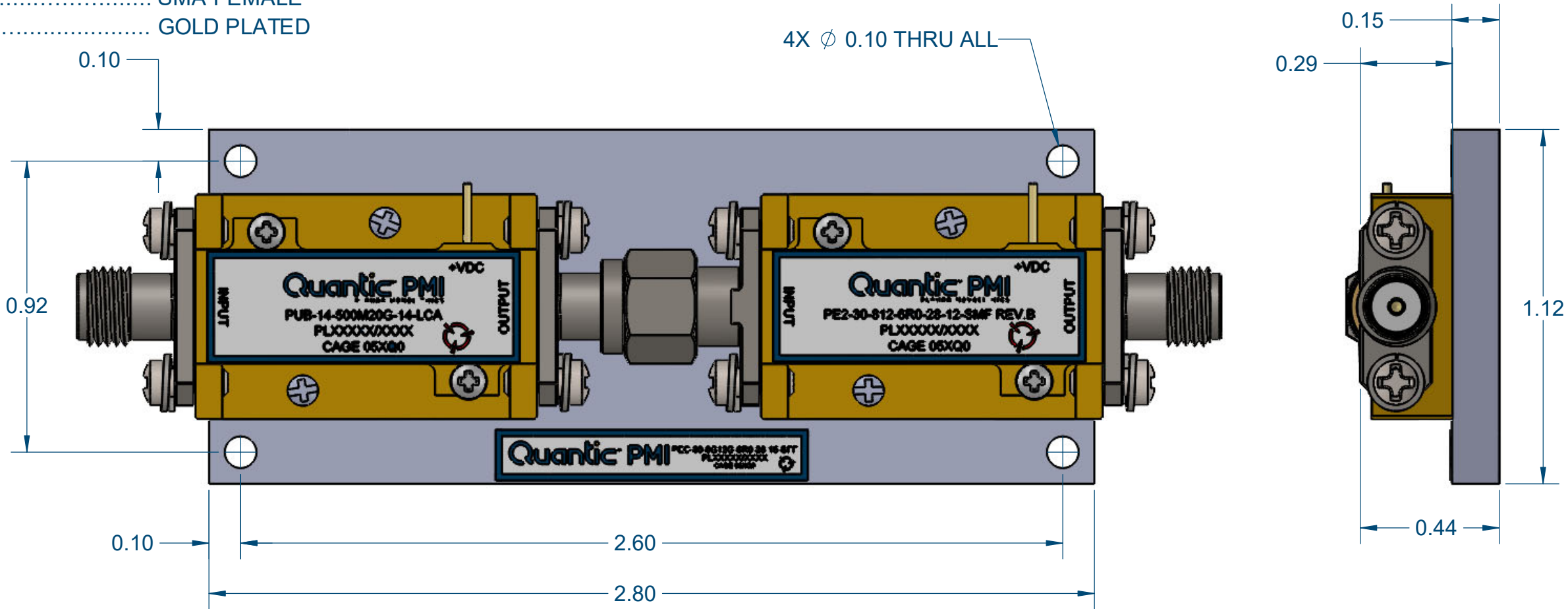
DESCRIPTION:

PMI MODEL NUMBER PEC-30-8G12G-6R0-28-15-SFF IS A 8 TO 12 GHz AMPLIFIER WITH THE FOLLOWING SPECIFICATIONS.

| ZONE | REV. | DESCRIPTION      | DATE      | APPROVED |
|------|------|------------------|-----------|----------|
|      | A1   | ORIGINAL RELEASE | 1/23/25   |          |
|      | A2   | ECN # 19-0057    | 2/28/2019 |          |
|      |      |                  |           |          |

SPECIFICATIONS:

- FREQUENCY RANGE:..... 8 TO 12 GHz
- GAIN:..... 30 dB MIN
- GAIN FLATNESS:..... ±1.5 dB MAX
- NOISE FIGURE:..... 6 dB MAX
- OP1dB:..... +23 dBm MIN, +25 dBm TYP
- VSWR (INPUT/OUTPUT):..... 2.0:1 MAX / 2.2:1 MAX
- DC VOLTAGE SUPPLY:..... +12 to +15 VDC
- DC CURRENT DRAW:..... 450 mA
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED



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
- 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

PMI CONFIDENTIAL AND PROPRIETARY

|                                                                                                                                                                     |  |  |                   |  |                                                                                                                                                                                                                                                                  |  |                                                |  |                     |  |              |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------|--|---------------------|--|--------------|--|
|                                                                                                                                                                     |  |  |                   |  | <div>Quantic PMI</div> <div>PLANAR MONOLITHICS</div> <div>7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA</div> <div>TEL: (301) 662-5019, FAX: (301) 662-1731</div> <div>WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM</div> <div>ISO 9001 CERTIFIED</div> |  |                                                |  |                     |  |              |  |
|                                                                                                                                                                     |  |  | APPROVALS         |  | DATE                                                                                                                                                                                                                                                             |  | TITLE<br>OUTLINE<br>PEC-30-8G12G-6R0-28-15-SFF |  |                     |  |              |  |
|                                                                                                                                                                     |  |  | DRAWN<br>M.LAULIS |  | 1/23/25                                                                                                                                                                                                                                                          |  |                                                |  |                     |  |              |  |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE:<br>FRACTIONS    DECIMALS    ANGLES<br>±                .XX ± 0.02        ±<br>.XXX ± 0.01 |  |  | REDRAWN           |  |                                                                                                                                                                                                                                                                  |  |                                                |  |                     |  |              |  |
|                                                                                                                                                                     |  |  | ISSUED            |  | SIZE<br>B                                                                                                                                                                                                                                                        |  | FSCM NO.<br>05XQ0                              |  | DWG NO.<br>27010263 |  | REV.<br>A2   |  |
|                                                                                                                                                                     |  |  |                   |  |                                                                                                                                                                                                                                                                  |  | SCALE 1:1                                      |  |                     |  | SHEET 1 OF 1 |  |