

| REVISIONS |      |                  |          |          |
|-----------|------|------------------|----------|----------|
| ZONE      | REV. | DESCRIPTION      | DATE     | APPROVED |
|           | A    | ORIGINAL RELEASE | 02/06/12 |          |

Description:

Model Number PEC-60-10K40M-3R5-14-12-SFF is a 10.0 KHz to 40.0 MHz low noise amplifier. This amplifier can be used as a SMA connectorized or a surface mount component.

This model provides the following performance. Data is available upon request.

Specifications:

- Frequency Range: 10.0 KHz to 40.0 MHz
- Gain: +60 dB Typ.
- Gain Flatness: ±1.0dB Max.
- Noise Figure: 3.5dB Max.
- OP1dB: +14dBm Min.
- OIP3: +27dBm Goal
- VSWR Input/Output: 1.8:1 Max.
- DC Voltage Supply: +12 to +15VDC
- DC Current Draw: 225mA Max.
- Connectors In/Out: SMA Female
- Finish: Painted Gray
- Housing: Mounting Surface Gold Plated
- 3.07"L X 1.18"W X 0.50"H

Features:

- Internal Voltage Regulation
- Unconditional Stability

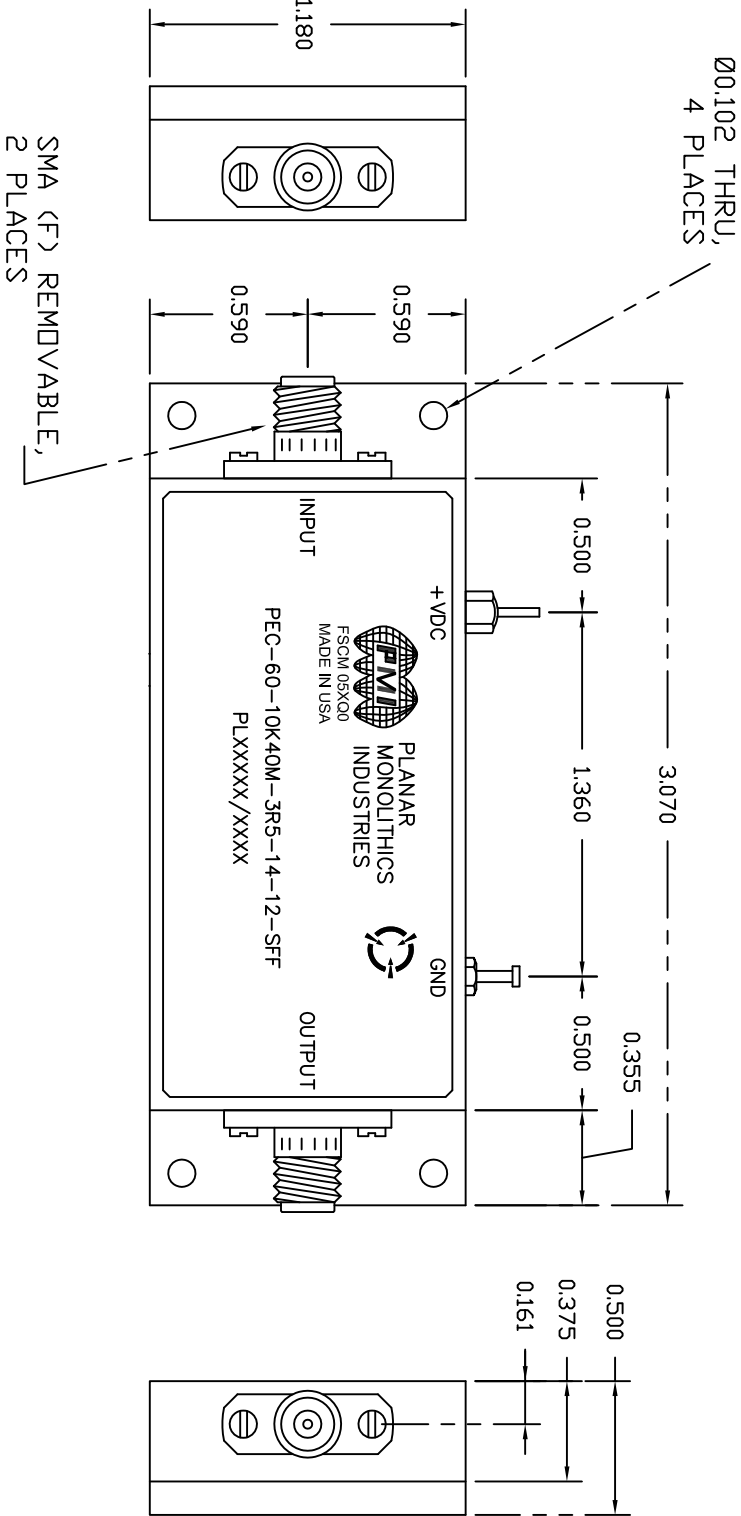
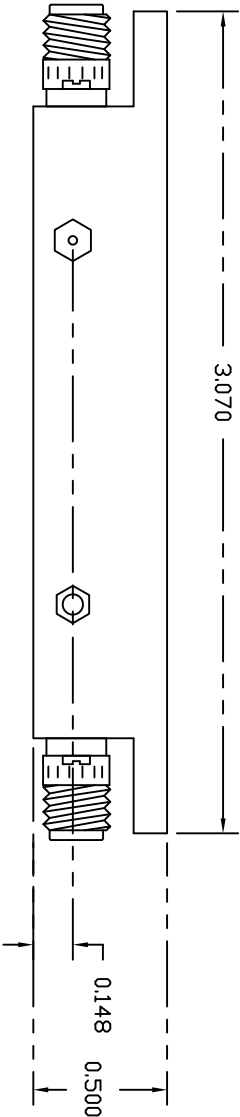
Available Options:

- Various Connector types
- Temperature Compensation
- Gain and Phase Matching
- MIL-STD-883 Screening Available

Environmental Ratings:

- Temperature: -20°C to + 70°C (Operating)
- 55°C to +125°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: The above specifications are subject to change or revision.



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ISO 9001:2000 CERTIFIED

| APPROVALS |  | DATE     |  | TITLE                       |  |        |  |
|-----------|--|----------|--|-----------------------------|--|--------|--|
| DRAWN     |  | 02/06/12 |  | OUTLINE DRAWING             |  |        |  |
| CHECKED   |  |          |  | PEC-60-10K40M-3R5-14-12-SFF |  |        |  |
| ISSUED    |  |          |  |                             |  |        |  |
| SCALE     |  | N: S     |  | SHEET                       |  | 1 OF 1 |  |