

| REVISIONS | | | | |
|-----------|------|------------------|----------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | A | ORIGINAL RELEASE | 12/13/10 | |

Description:

Part Number 27002762 (Model Number PM2-25-1R84R2-25-12-SFF) is a 1.8 to 4.2 GHz low noise amplifier. This amplifier is supplied in our standard PE2 housing that 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: 1.8 to 4.2 GHz
Gain: 27dB Typ.
Gain Flatness: +/- 1.0dB Max.
Noise Figure: 5.5dB Max.
OP1dB: +25dBm Min.
VSWR Input/Output: 2.2:1 Max.
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 380mA Max.
Connectors In/Out: SMA Female

Features:

Internal Voltage Regulation
Unconditional Stability
Standard Operating Temperature -55 to +85 Deg. C

Available Options:

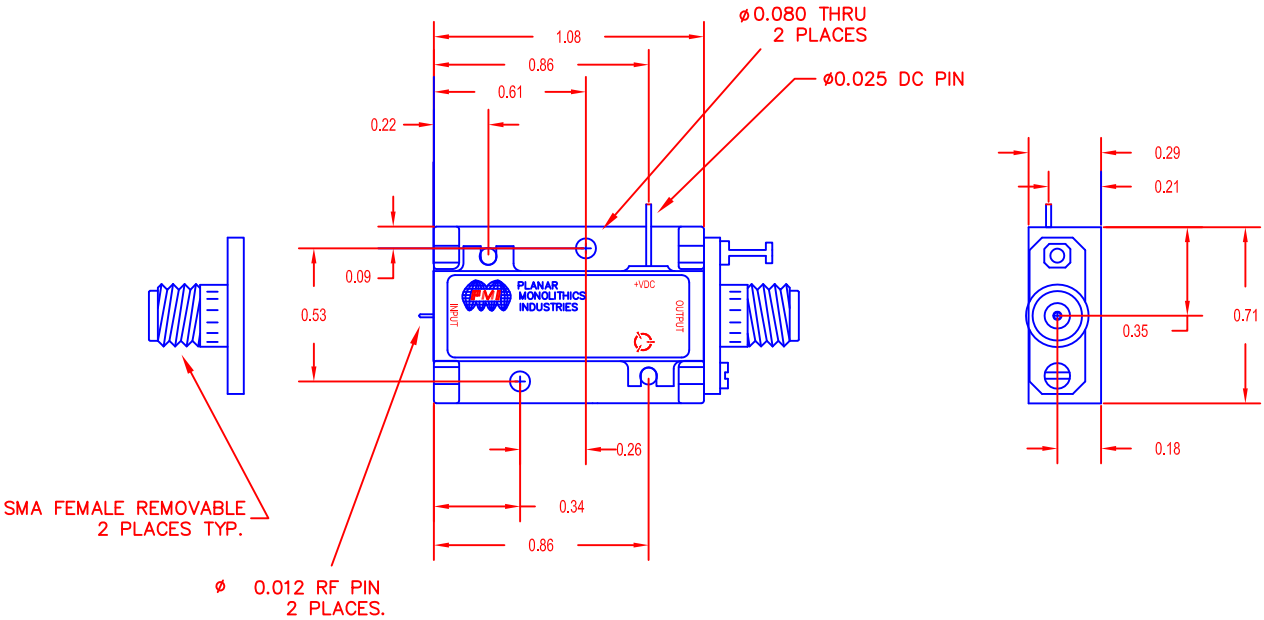
Various Package types
Various Connector types
Temperature Compensation
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

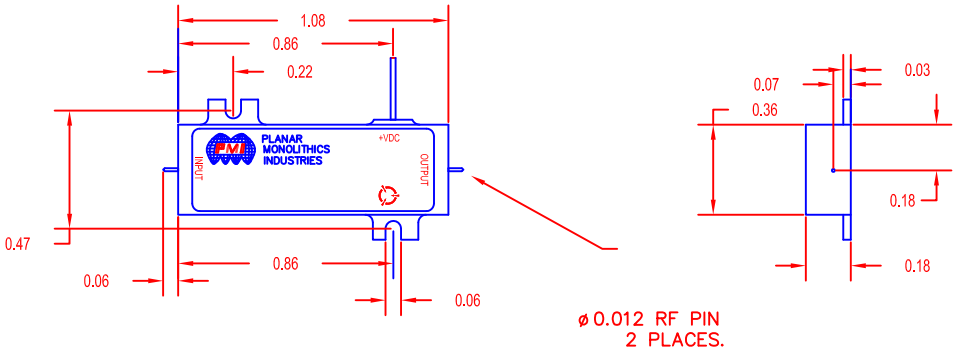
Temperature: -55 to +85 Deg. C (Operating)
-65 to +125 Deg. C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

Note: The above specifications are subject to change or revision.


PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
± .XX ± 0.010 ±
.XXX ± 0.005

| | | | | | |
|---|-----------------|----------|--|--|---------------------|
| MATERIAL: 6061-T6 Aluminum FINISH: GOLD PLATED DO NOT SCALE DRAWING | PART NO. | |  7311-F GROVE ROAD FREDERICK, MARYLAND | TITLE PE2 Series Amplifier PM2-25-1R84R2-25-12-SFF | |
| | APPROVALS | DATE | | | |
| | DRAWN DPD | 3/9/10 | | | |
| | Modified SFK | 12/13/10 | | | |
| | ISSUED | | SIZE B | CAGE CODE 05XQ0 | DWG NO. 27002762 |
| | | | SCALE N/A | | REV. A |
| | | | SHEET 1 OF 1 | | |