

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

Description:

Part Number 27002782 (Model Number PM2-25-3R78R4-25-12-SFF) is a 3.7 to 8.4 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: 3.7 to 8.4 GHz
Gain: 25dB Typ.
Gain Flatness: +/- 1.0dB Max.
Noise Figure: 5.5dB Max.
OP1dB: +25dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12VDC
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:

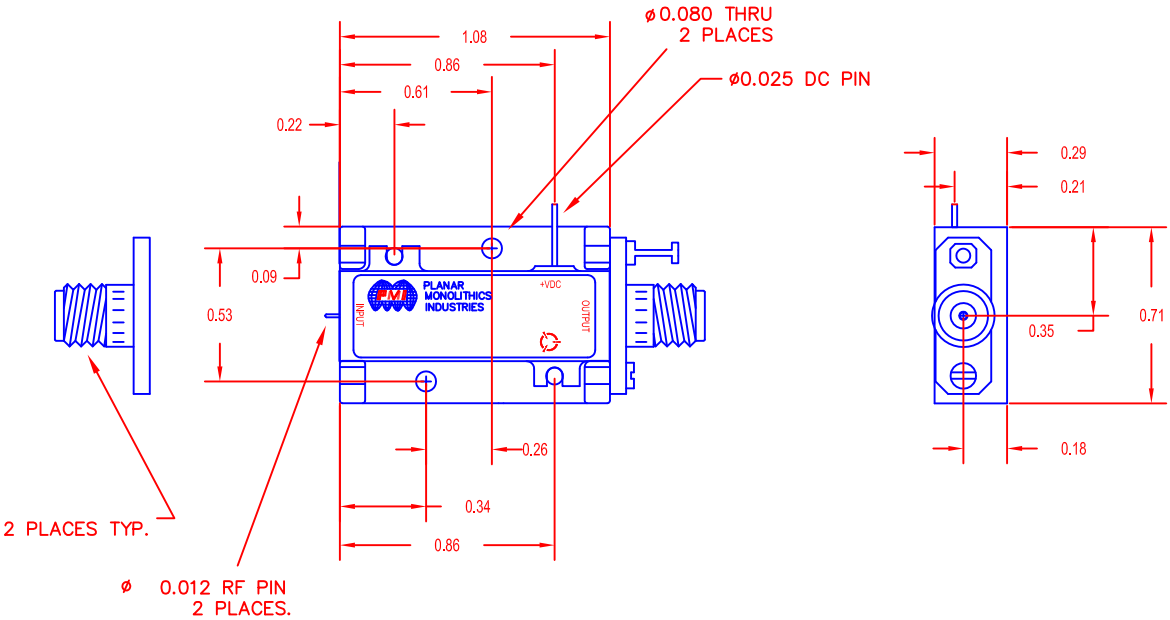
Various Package types
Various Connector types
Temperature Compensation
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

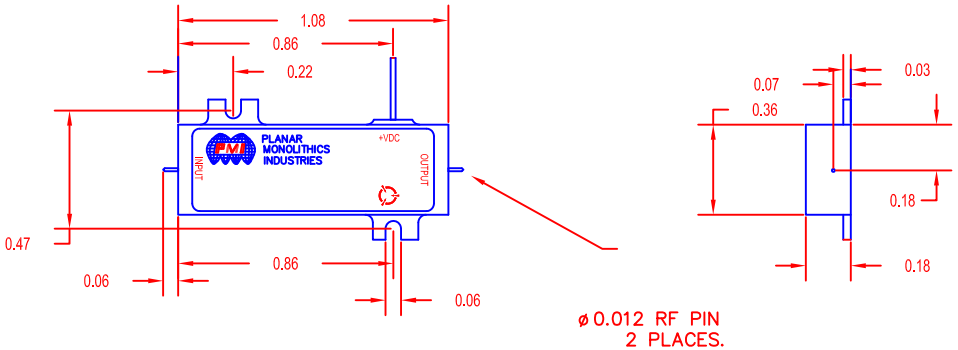
Temperature: -55 to +85 Deg. C (Operating)
-65 to +125 Deg. C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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

<div></div> <div>MATERIAL: 6061-T6 Aluminum</div> <div>FINISH: GOLD PLATED</div> <div>DO NOT SCALE DRAWING</div>	PART NO.		<div></div> <div>7311-F GROVE ROAD FREDERICK, MARYLAND</div>			
	APPROVALS	DATE				
	DRAWN DPD	3/9/10	TITLE PE2 Series Amplifier PM2-25-3R78R4-25-12-SFF			
	Modified SFK	12/13/10				
ISSUED			SIZE B	CAGE CODE 05XQ0	DWG NO. 27002782	REV. A
			SCALE N/A			SHEET 1 OF 1