

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

Description:

Part Number 27002902 (Model Number PM2-21-0R640R72-6R0-23-15-SFF-TC) is a 0.64 to 0.72 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: 0.64 to 0.72 GHz
 Gain: 21dB Min, 25dB Typ.
 Gain Flatness over Freq: +/- 0.4dB p-p Max.
 Gain Variation over Temp: +/- 0.6dB p-p Max.
 Noise Figure: 5.0dB Typ, 6.0 dB Max
 OP1dB: +23dBm Min.
 VSWR Input/Output: 2.0:1 Max.
 DC Voltage Supply: +12 to +15VDC
 DC Current Draw: 300mA Max.
 Connectors In/Out: SMA Female

Features:

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

Available Options:

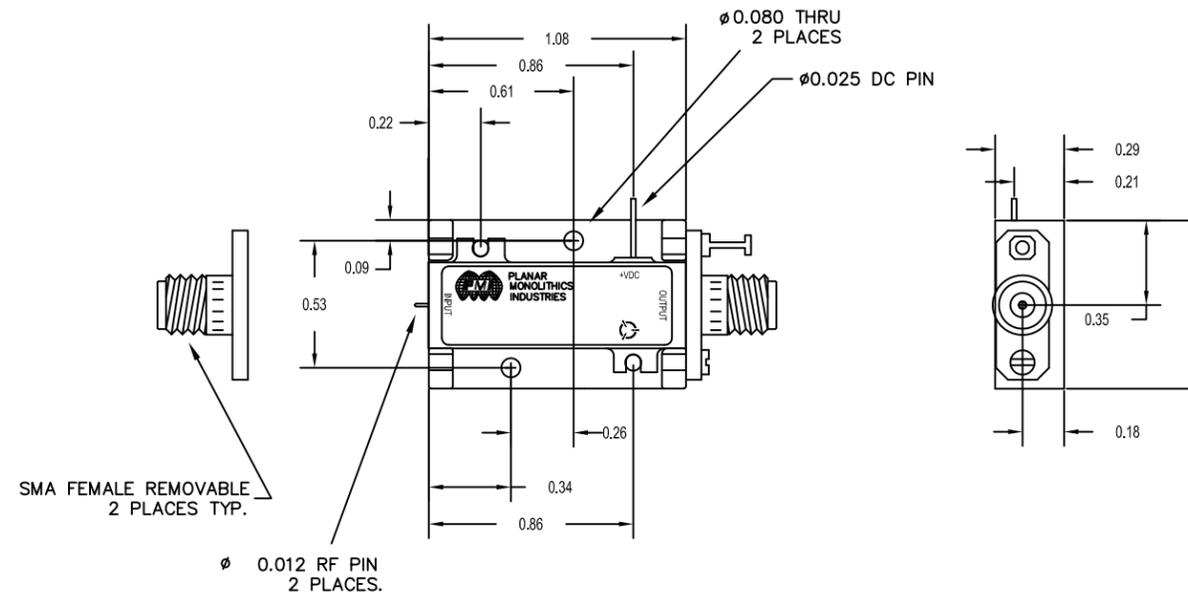
Various Package types
 Various Connector types
 Temperature Compensation
 Gain and Phase Matching
 MIL-STD-883 Screening Available

Environmental Ratings:

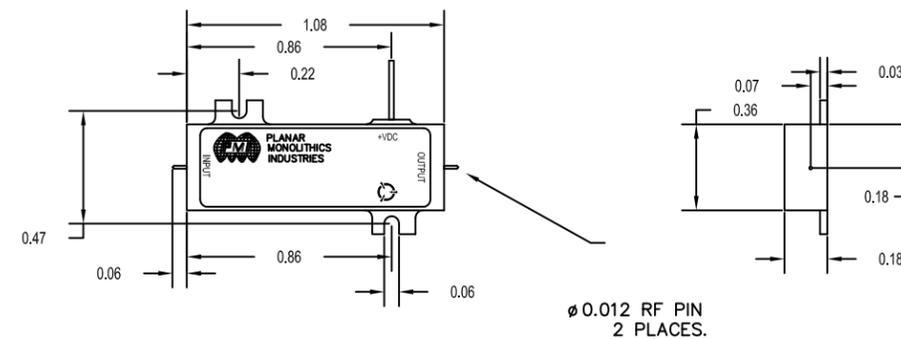
Temperature: -55 to +85 Deg. C (Operating)
 -65 to +125 Deg. C (Storage)
 Humidity: MIL-STD-202F, METHOD 103B COND B.
 Shock: MIL-STD-202F, METHOD 213B COND B.
 Altitude: MIL-STD-202F, METHOD 105C COND B.
 Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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

PART NO.		7311-F GROVE ROAD FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN DPD	3/9/10	PE2 Series Amplifier	
Modified SFK	12/10/10	PM2-21-0R640R72-23-15-SFF-TC	
ISSUED		SIZE	CAGE CODE
		B	05XQ0
		DWG NO.	27002902
		REV.	A
DO NOT SCALE DRAWING		SCALE	N/A
		SHEET	1 OF 1