

## Description:

Low Noise Amplifier designed for Military and Industrial applications. This amplifier is supplied in our standard PE2 housing can be used as a SMA connectorized or a surface mount component. Other packages and connector types are available.

## Specifications:

Frequency Range: ..... 2.0 to 8.0 GHz  
 Gain: ..... +16 dB Typ.  
 Gain Flatness: .....  $\pm 1.5$  dB Max.  
 Noise Figure: ..... 1.8 dB Typ.  
 VSWR Input/Output: ..... 2.0:1 Max.  
 OP1dB: ..... +10 dBm Min.  
 DC Voltage Supply: ..... +12 to +15 VDC  
 DC Current Draw: ..... 65 mA Max.

## Features:

Internal Voltage Regulation  
 Unconditional Stability

## Available Options:

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

## Environmental Ratings:

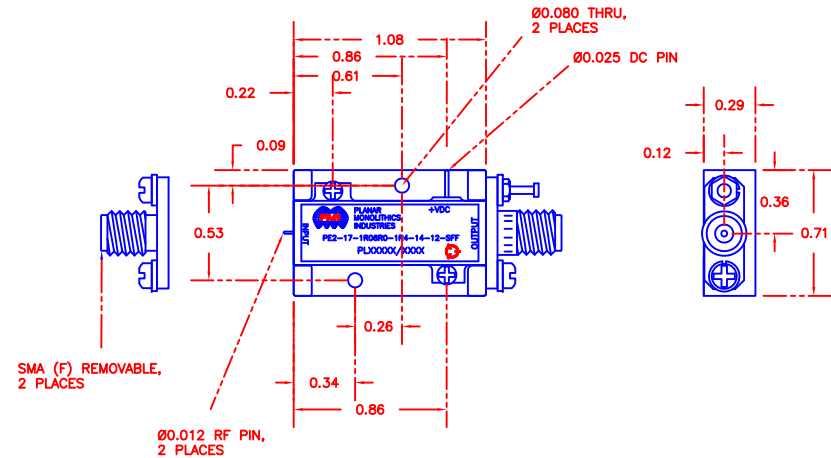
Temperature: ..... -20°C to + 70°C (Operating)  
 ..... -55°C to +125°C (Storage)  
 Humidity: ..... MIL-STD-202F, METHOD 103B COND B.  
 Shock: ..... MIL-STD-202F, METHOD 213B COND B.  
 Altitude: ..... MIL-STD-202F, METHOD 105C COND B.  
 Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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

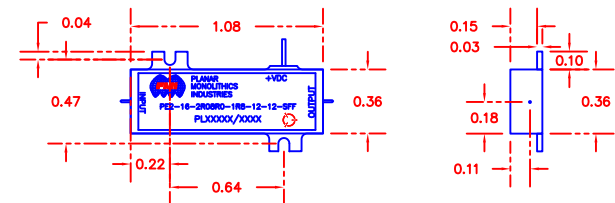
ALL DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 X.XX  $\pm 0.010$   
 X.XXX  $\pm 0.005$

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	09/15/17	

### PE2 HOUSING WITH CARRIER



### PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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 ISO 9001:2008 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>EMF</i>		09/29/16	PRODUCT FEATURE			
REDRAWN <i>BW</i>		09/15/17	PE2-16-2R08R0-1R8-12-12-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	-
			SCALE	SHEET		
			N:S	1 OF 1		