

## Description:

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

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

## Specifications:

Frequency Range:	0.50 to 20.0 GHz
Gain:	+15dB Typ.
Gain Flatness:	+/- 1.75dB Typ.
Noise Figure:	3.0dB Typ.
OP1dB:	+20dBm Typ.
VSWR Input/Output:	2.0:1 Typ.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	180mA Typ..
Connectors In/Out	SMA Female
Finish	Gold Plated

## Features:

Internal Voltage Regulation  
 Unconditional Stability  
 Standard Operating Temperature -20 to +70 Deg. C

## Available Options:

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

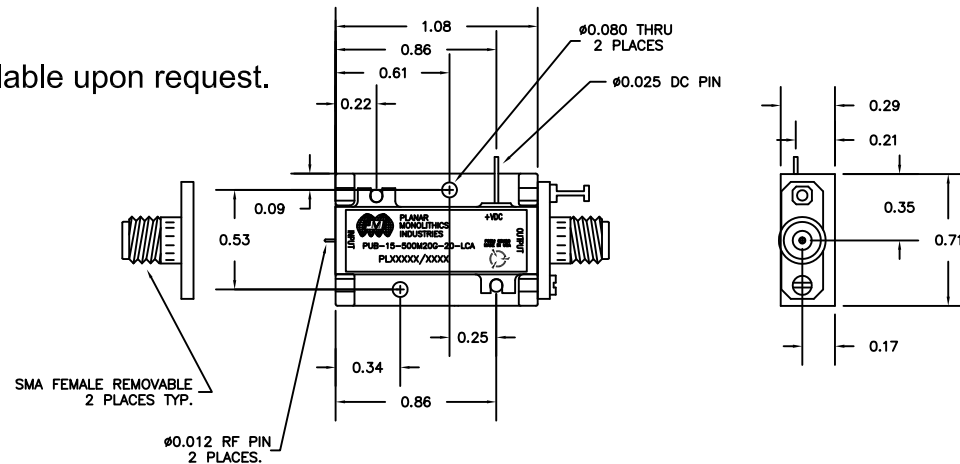
## Environmental Ratings:

Temperature:	-20 to +70 Deg. C (Operating); -55 to +85 Deg C (Available) -55 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

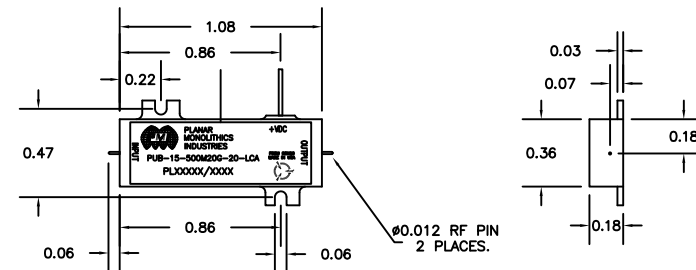
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/21/08	
	A2	ECN # 13-0004	03/26/13	
	A3	ECN # 13-0042	05/19/13	

### PE2 HOUSING WITH CARRIER



### PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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 ISO 9001:2008 CERTIFIED



ALL DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 X.XX ±0.020  
 X.XXX ±0.010

APPROVALS		DATE	TITLE			
DRAWN <i>JKM</i>		02/21/08	PRODUCT FEATURE PUB-15-500M20G-20-LCA			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PUB-15-500M20G-20-LCA	A3
			SCALE	N:S	SHEET	1 OF 1