

Description:

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

Specifications:

Frequency Range:..... 30 MHz to 20 GHz
Gain:..... +15 dB Typ.
Gain Flatness:..... +/- 2.5 dB Typ.
Noise Figure:..... 3.0 dB Typ.
OP1dB:..... +20 dBm Typ.
VSWR Input/Output:..... 2.0:1 Typ.
DC Voltage Supply:..... +12 to +15VDC
DC Current Draw:..... 180 mA Typ.
Connectors In/Out:..... SMA Female
Finish:..... Gold Plated

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:

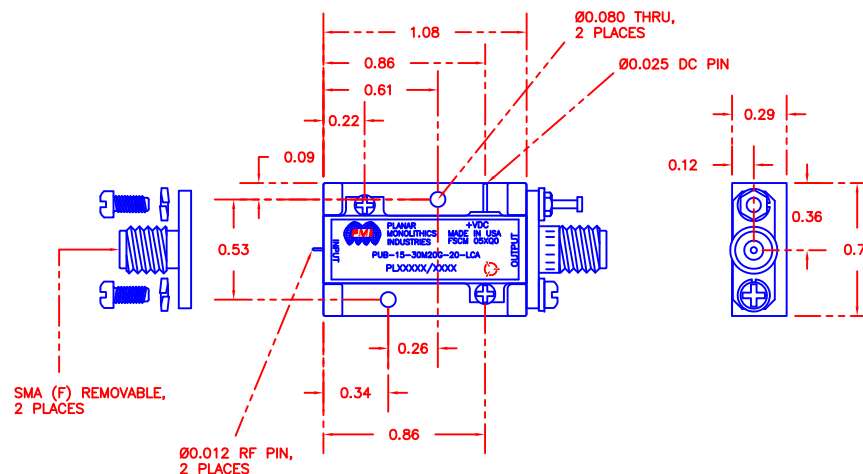
Temperature:..... -20°C to + 70°C (Operating)
..... -55°C to +125°C (Storage)
Humidity:..... MIL-STD-202F, METHOD 103B COND B.
Shock:..... MIL-STD-202F, METHOD 213B COND B.
Altitude:..... MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:..... MIL-STD-202F, METHOD 107D COND A

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

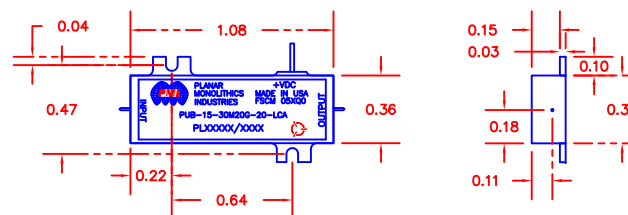
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A1	ORIGINAL RELEASE	7/17/12
	A2	ECN # 13-0093	07/29/13

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE			
DRAWN		7/17/12		PRODUCT FEATURE			
CHECKED				PUB-15-30M20G-20-LCA			
ISSUED							
SIZE		FSCM NO.		DWG NO.		REV.	
A		05XQ0		PUB-15-30M20G-20-LCA		A2	
SCALE		N:S		SHEET		1 OF 1	