

Description:

Low Noise Amplifier designed for Military and Industrial application. 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: 0.25 to 10.0 GHz
Gain: 45 dB Typ.
Gain Flatness: +/-1.25 dB Max.
Noise Figure: 4.5 dB Typ.
OP1dB: 13 dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15 VDC
DC Current Draw: 200 mA 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

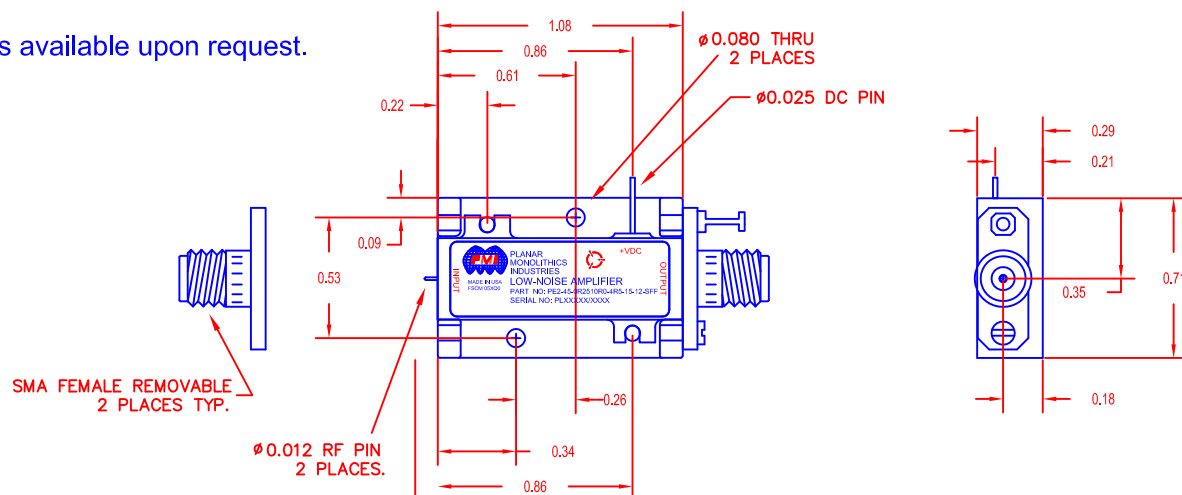
Note: The above specifications are subject to change or revision.

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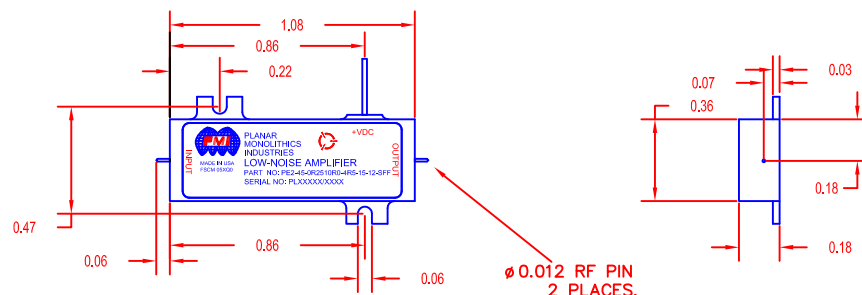
ALL DIMENSIONS
ARE IN INCHES [mm]
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/8/19	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN	NJA	2/23/18	PRODUCT FEATURE			
REDRAWN	CW	11/8/19	PE2-45-OR2510R0-4R5-15-12-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	-
			SCALE	N:S	SHEET	1 OF 1