

Description:

Model Number PE210R258R515SFFLM is a 0.25 to 8.5 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:.....0.25 to 8.5 GHz
Small Signal Gain Window:.....+9.0dB to +13.0dB
Gain Flatness:..... $\leq 1.5\text{dB p-p Goal, } \leq 2.0\text{ dB p-p Max.}$
Noise Figure:..... $\leq 4.5\text{dB Max (Valid from 0.5 to 8.5 GHz)}$
OP1dB:.....+16dBm Min
Input IP3:.....+12dBm Min
Max Input Power:.....+10dBm CW
VSWR Input/Output:.....2.3:1 Max.
DC Voltage Supply:.....+12VDC
DC Current Draw:.....300mA Max.
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:.....-55°C to + 85°C (Operating)
.....-65°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

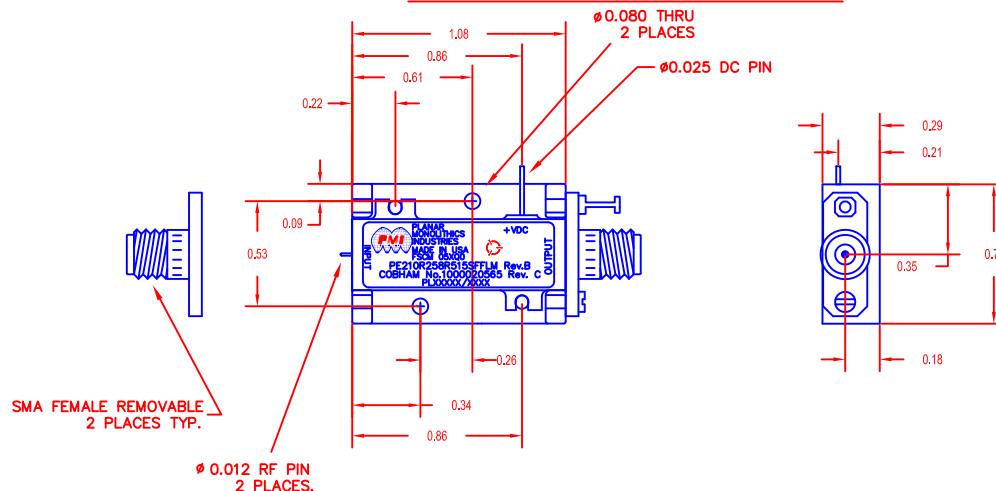
Note: The above specifications are subject to change or revision.

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:

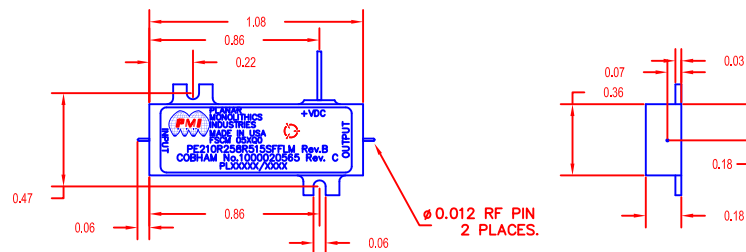
X.XX ± 0.020
X.XXX ± 0.010

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	3/9/10	
	A2	ECN # 13-0159	09/20/13	
	A3	ECN # 14-0185	11/19/14	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE			
DRAWN		3/9/10		PRODUCT FEATURE			
CHECKED				PE210R258R515SFFLM Rev. B			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	27000322	A3
				SCALE	N: S	SHEET	1 OF 1