

Description:

PMI Model Number PE2-12-2G8G-7-7-12-SFF is a 2.0 to 8.0 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:	2.0 to 8.0 GHz
Gain:	12 ± 3 dB
Noise Figure:	7 dB Max.
P1dB:	+7 dBm Min.
IP3:	+15 dB Min.
Input Power Handling:	+23 dBm Min.
VSWR Input/Output:	1.2:1
DC Voltage Supply:	+12 to +15 VDC
DC Current Draw:	400 mA Max.
Connectors In/Out	SMA Female

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:	-40 to +70 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

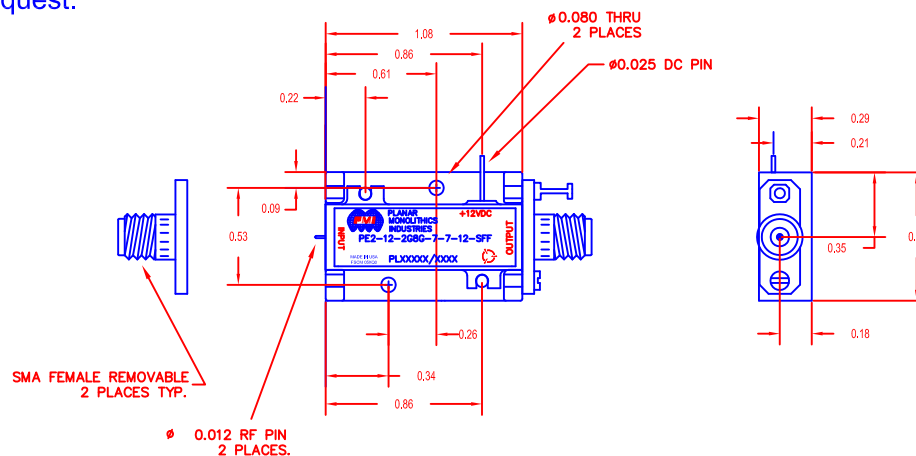
Note: The above specifications are subject to change or revision.

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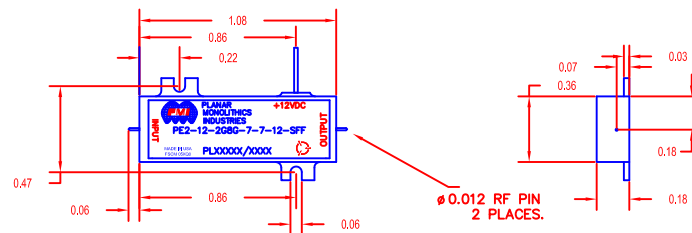
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
± .XX ± 0.010 ±
.XXX ± 0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	11/6/18	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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APPROVALS		DATE		TITLE			
DRAWN	<i>KM</i>		12/9/10	PRODUCT FEATURE			
REDRAWN	<i>EW</i>		11/6/18	PE2-12-2G8G-7-7-12-SFF			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	PRELIMINARY	—
				SCALE	N: S	SHEET	1 OF 1