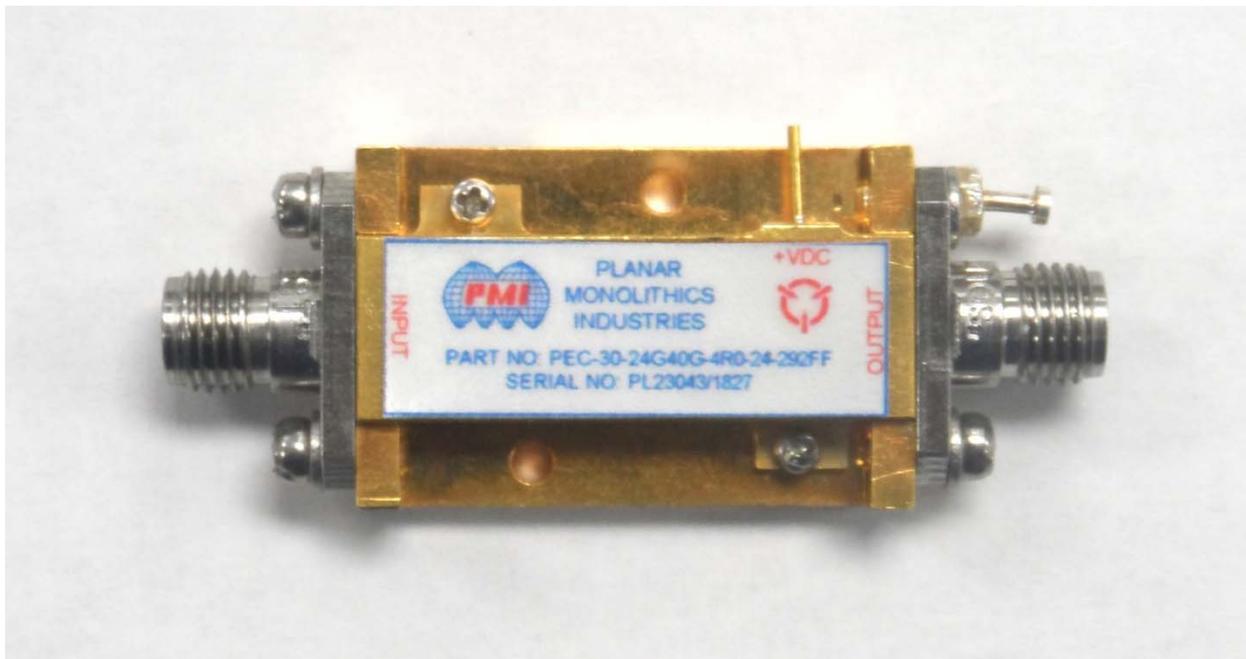




**TYPICAL CHARACTERISTICS
ON
PEC-30-24G40G-4R0-22-292FF**

PMI MODEL; PEC-30-24G40G-4R0-24-292FF IS A LOW NOISE AMPLIFIER DESIGNED FOR MILITARY AND INDUSTRIAL APPLICATIONS. THIS AMPLIFIER IS SUPPLIED IN OUR PE2 HOUSING THAT CAN BE USED AS AN SMA CONNECTORIZED OR SURFACE MOUNTED COMPONENT. OTHER PACKAGES AND CONNECTOR TYPES ARE AVAILABLE. DATA IS AVAILABLE UPON REQUEST.



July, 25 2018

Designed By: PMI Engineering

Tested By: Kevin Mansfield



**TYPICAL CHARACTERISTICS
ON
PEC-30-24G40G-4R0-22-292FF**

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TYPICAL CHARACTERISTICS ON PEC-30-24G40G-4R0-22-292FF

DESCRIPTION

PMI MODEL: PEC-30-24G40G-4R0-24-292FF IS A LOW NOISE AMPLIFIER DESIGNED FOR MILITARY AND INDUSTRIAL APPLICATIONS. THIS AMPLIFIER IS SUPPLIED IN OUR PE2 HOUSING THAT CAN BE USED AS AN SMA CONNECTORIZED OR SURFACE MOUNTED COMPONENT. OTHER PACKAGES AND CONNECTOR TYPES ARE AVAILABLE. DATA IS AVAILABLE UPON REQUEST.

SPECIFICATIONS

- FREQUENCY RANGE: 24.0 TO 4.00 GHz
- GAIN: 30 dB MINIMUM
- GAIN FLATNESS: ±1.5 dB TYPICAL
- NOISE FIGURE: 6.0 dB MAXIMUM
- OP1dB: +24 dBm MINIMUM
- VSWR (INPUT/OUTPUT): 2.5:1 MAXIMUM
- DC VOLTAGE SUPPLY: +8 VDC
- DC CURRENT DRAW: 500 mA MAXIMUM
- CONNECTORS: 2.92mm FEMALE (X2)
- FINISH: GOLD PLATED

FEATURES

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY

AVAILABLE OPTIONS

- VARIOUS PACKAGE TYPES
- VARIOUS CONNECTOR TYPES
- TEMPERATURE COMPENSATION
- HERMETIC SEALING
- GAIN AND PHASE MATCHING
- MIL-STD-883 SCREENING AVAILABLE

ENVIRONMENTAL RATINGS

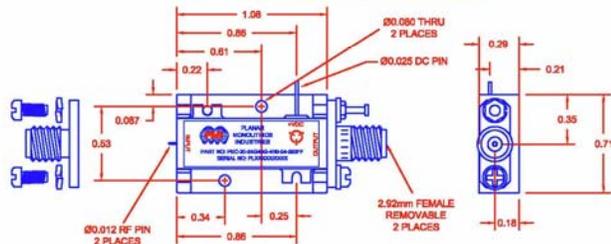
- TEMPERATURE: -55 °C TO +75 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

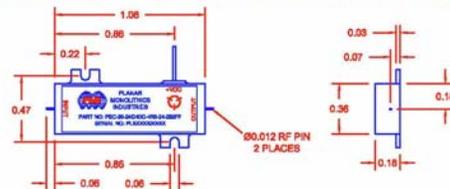
PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL PMI DESIGN RELEASE	02/20/10	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN	M. Barry	DATE	02/20/10	PRODUCT FEATURE	
CHECKED				PEC-30-24G40G-4R0-24-292FF	
ISSUED				24.0 to 40.0 GHz Low Noise Amplifier	
SIZE	A	FROM NO.	05XQ0	DRWG NO.	27031161
SCALE	N:S			REV.	A1
				SHEET	1 OF 1

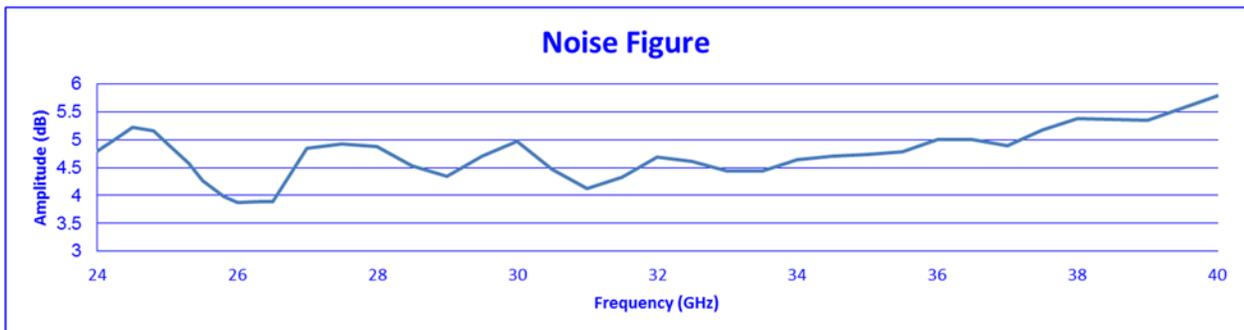
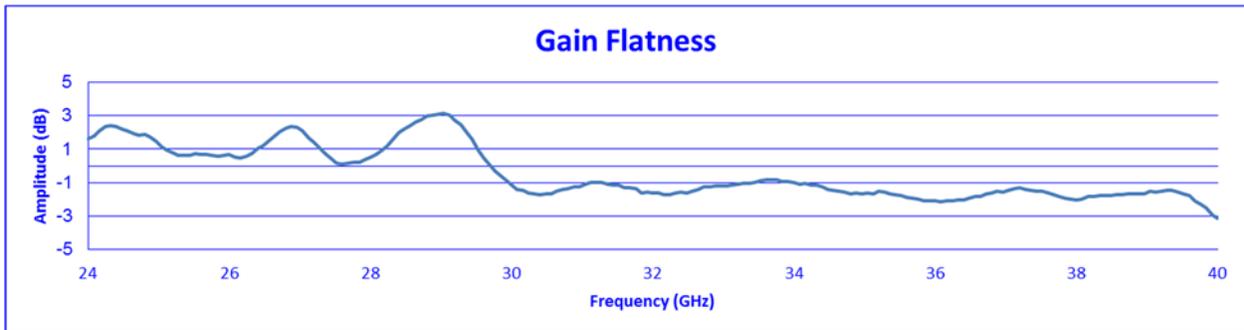
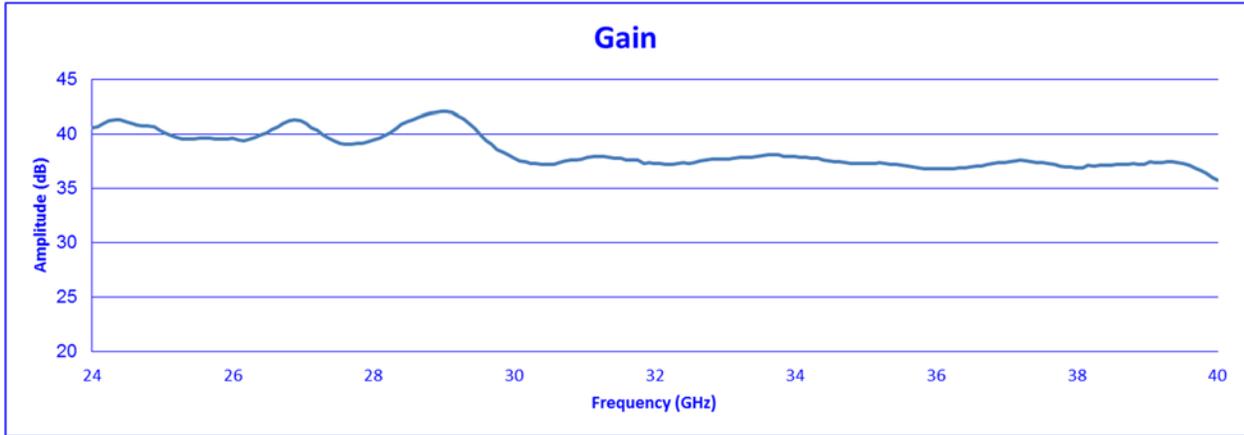


**TYPICAL CHARACTERISTICS
ON
PEC-30-24G40G-4R0-22-292FF**

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	24.0 GHz–40.0 GHz	24.0 GHz-40.0 GHz	
2	Gain:	30 dB Min.	35.8 dB See Plot	
3	Gain Flatness:	±1.5 dB Typ.	±3.2 dB See Plot	
4	Noise Figure:	6.0 dB Max.	5.8 dB See Plot	
5	OP1dB:	+24 dBm Min.	+22.4 dBm See Plot	
6	VSWR:	2.5:1 Typ.	3.6:1 In 2.0:1 Out See Plot	
7	DC Supply:	+8 VDC @ 500 mA Max.	485 mA	



**TYPICAL CHARACTERISTICS
ON
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