

Description:

PMI Model No. PE2-13-17G24G-5R0-18-12-SFF is a Low Noise Amplifier designed for Military and Industrial applications. This amplifier is supplied in our standard PE2 housing that can be used as an SMA connectorized or a surface mount component. Other packages and connector types are available.

This model provides the following performance.

Specifications:

Frequency Range:	17.0 to 24.0 GHz
Gain:	15dB Typ.
Gain Flatness:	+/- 1.5dB Max.
Noise Figure:	5.0dB Max.
OP1dB:	18dBm Typ., +20dBm Goal
VSWR Input/Output:	2.0:1 / 2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC Typ.
DC Current Draw:	225mA Nominal
Connectors In/Out	SMA Female
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

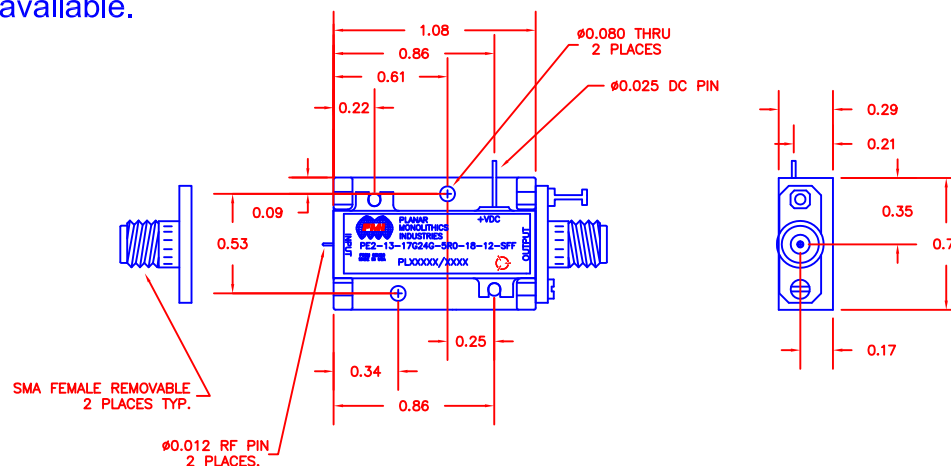
Environmental Ratings:

Temperature:	-20 to +70 Deg. C (Operating); -55 to +85 Deg C (Available) -55 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

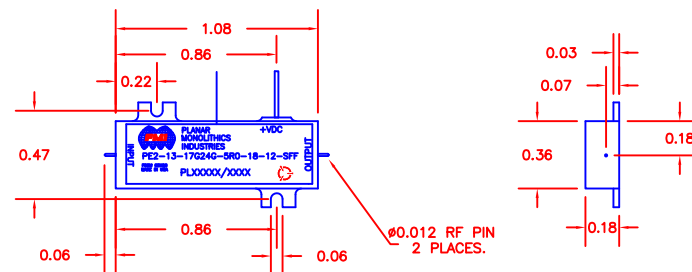
Note: The above specifications are subject to change or revision.

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	—	PRELIMINARY	3/12/15

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001:2008 CERTIFIED



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

APPROVALS		DATE		TITLE	
DRAWN <i>K. MASON</i>		3/12/15		PRODUCT FEATURE	
CHECKED				PE2-13-17G24G-5R0-18-12-SFF	
ISSUED				PRELIMINARY	
SIZE A		FSCM NO. 05XQ0		DWG NO.	
SCALE N:S				SHEET 1 OF 1	