

## Description:

PMI Model Number: PE2-27-5D4G5D9G-1R3-20-12-SMF is a 5.4 to 5.9 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.

## Specifications:

Frequency Range:	5.4 to 5.9 GHz
Gain:	27dB Minimum
Gain Flatness:	+/-1.5dB Maximum
Noise Figure:	1.3dB Typical, 1.5dB Maximum (Note 1)
OP1dB:	+20dBm Minimum
VSWR Input/Output:	2.0:1 Maximum
Input Power:	+23dBm CW Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	340mA Nominal
Connectors In/Out	SMA Male / Female

Note 1: +25 Deg. C

## Features:

Internal Voltage Regulation  
Reverse Voltage Protection  
Unconditional Stability

## Available Options:

Various Package types  
Various Connector types  
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

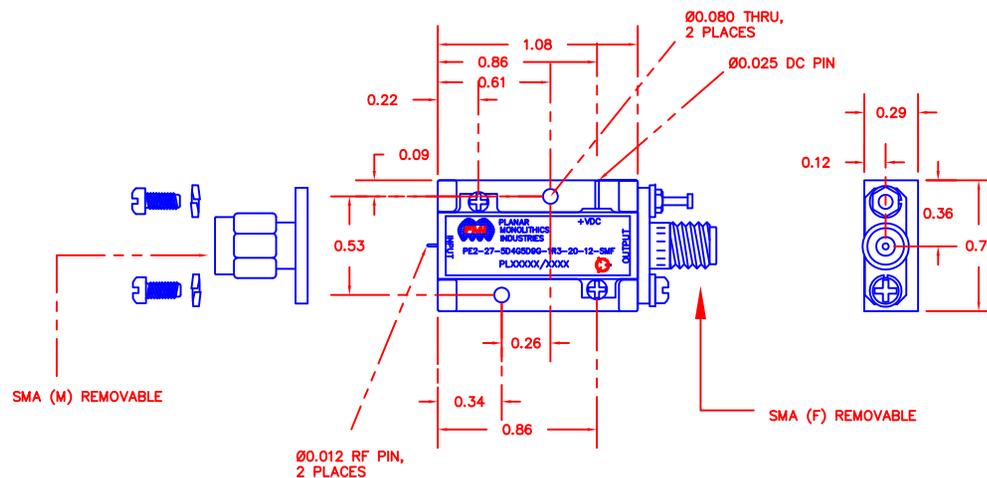
Note: The above specifications are subject to change or revision.

Note: Specifications are valid at +25C.

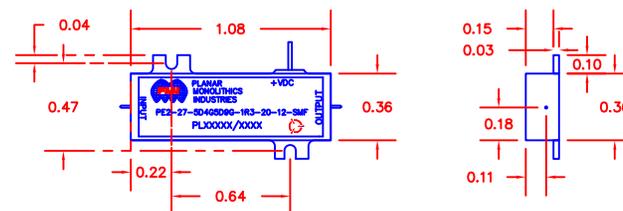
ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.02  
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	2/16/15	

### PE2 HOUSING WITH CARRIER



### PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001:2008 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>K. MASON</i>		2/16/15	PRODUCT FEATURE PE2-27-5D4G5D9G-1R3-20-12-SMF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N: S		REV. -
					SHEET 1 OF 1