

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	7/8/14	

**Description:**

PMI Model Number: PE2-23-1G2G-5R0-25-15-SFF is a 1 to 2 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: 1 to 2 GHz  
Gain: 20dB Min., 24dB Max.  
Gain Flatness: +/- 0.75dB Typ., +/-1.5dB Max.  
Noise Figure: 5.0dB Typ., 5.25dB Max.  
OP1dB: +25dBm Min.  
VSWR Input/Output: 1.5:1 Typ., 1.8dB Max.  
DC Voltage Supply: +15VDC  
DC Current Draw: 525mA Nominal  
Connectors In/Out: SMA Female

**Features:**

Internal Voltage Regulation  
Unconditional Stability

**Available Options:**

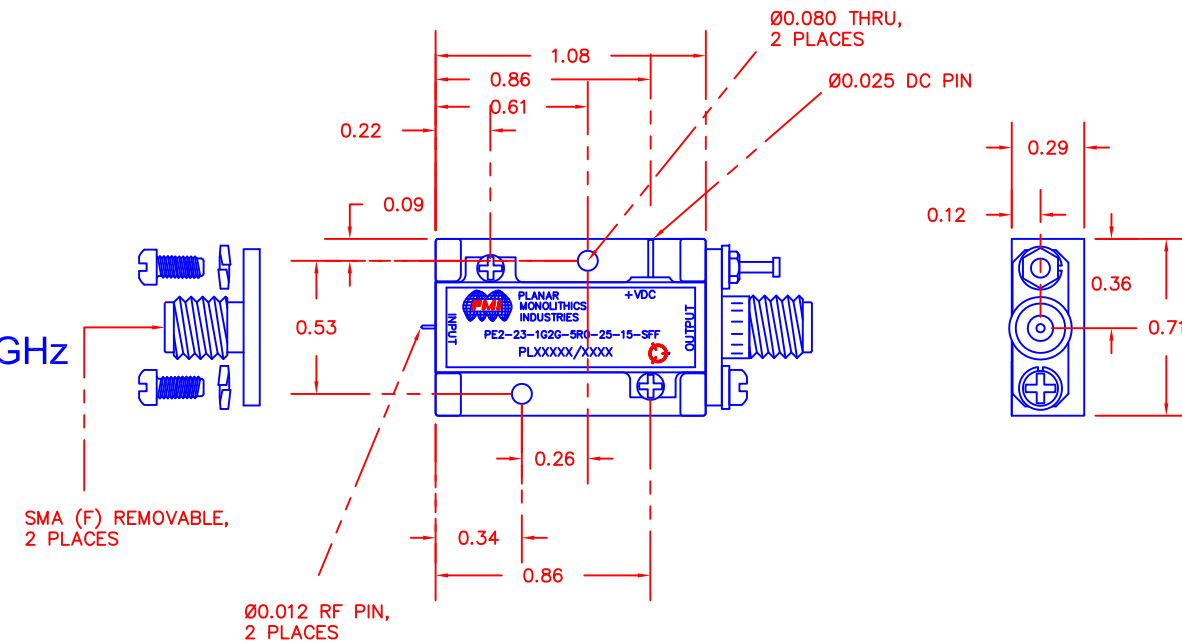
Various Package types  
Various Connector types  
Temperature Compensation  
Gain and Phase Matching  
MIL-STD-883 Screening Available

**Environmental Ratings:**

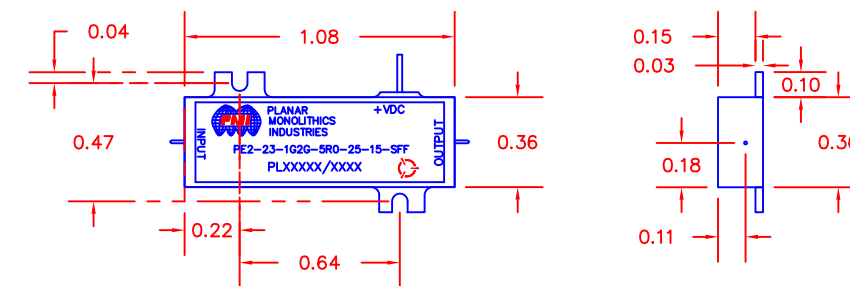
Temperature: -55 to +85 Deg. C (Operating)  
-65 to +125 Deg. C (Storage)  
Humidity: MIL-STD-202F, METHOD 103B COND B.  
Shock: MIL-STD-202F, METHOD 213B COND B.  
Altitude: MIL-STD-202F, METHOD 105C COND B.  
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

Note: The above specifications are subject to change or revision.  
Note: Specifications are valid at +25C.

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001:2008 CERTIFIED



ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.010  
X.XXX ±0.005

APPROVALS		DATE	TITLE			
DRAWN <i>KCM</i>		7/8/14	PRODUCT FEATURE			
CHECKED			PE2-23-1G2G-5R0-25-15-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	—
			SCALE	SHEET		1 OF 1
			N: S			