

Description:

PMI Model Number: PE2-35-1R02R0-1R4-17-12-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.

This model provides the following performance. Data is available upon request.

Specifications:

Frequency Range:	1 to 2 GHz
Gain:	35dB Typ.
Gain Flatness:	+/- 0.75dB Typ.
Noise Figure:	1.4dB Typ.
OP1dB:	+17dBm Typ.
VSWR Input/Output:	2.0:1 Typ.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	160mA Typ.
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

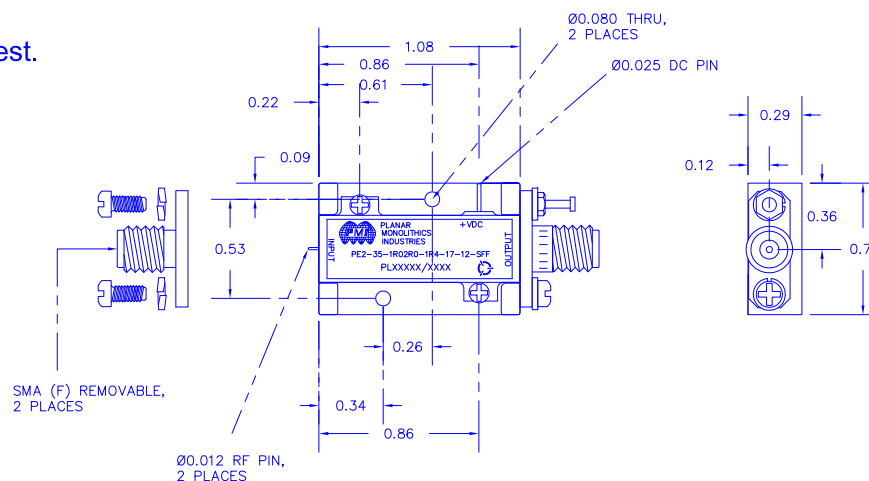
Environmental Ratings:

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

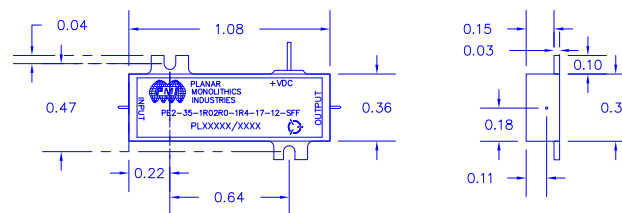
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	12/10/10	

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 9001:2000 CERTIFIED



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

APPROVALS		DATE		TITLE	
DRAWN <i>sfk</i>		12/10/10		PRODUCT FEATURE	
CHECKED				PE2-35-1R02R0-1R4-17-12-SFF	
ISSUED					
SIZE A		FSCM NO. 05XQ0		DWG NO. 27012182	
SCALE N: S				REV. A	
				SHEET 1 OF 1	