

Description:

PMI Model Number: PE2-45-0R52R0-4R5-15-12-SFF is a 0.5 to 2.0 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:	0.5 to 2.0 GHz
Gain:	45dB Typical
Gain Flatness:	+/-0.75dB Max.
Noise Figure:	4.5dB Typical
OP1dB:	+15dBm Min.
VSWR Input/Output:	2.0:1 Max.
Input Power:	+15dBm CW Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	200mA Nominal
Connectors In/Out	SMA Female

Features:

Internal Voltage Regulation
Reverse Voltage Protection
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

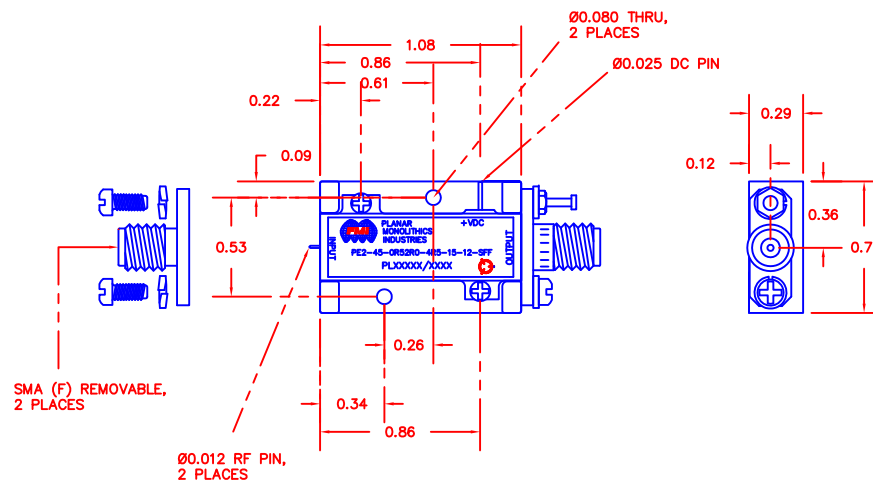
Note: The above specifications are subject to change or revision.

Note: Specifications are valid at +25C.

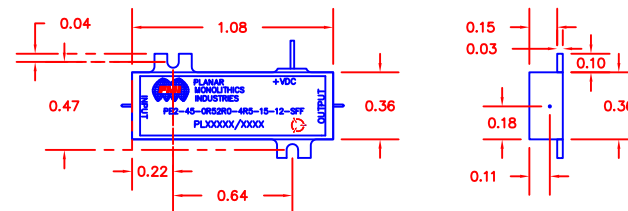
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	1/29/15	

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 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN		K. MASON		1/29/15		PRODUCT FEATURE	
CHECKED						PE2-45-0R52R0-4R5-15-12-SFF	
ISSUED						PRELIMINARY	
SCALE		N: S		SIZE		FSCM NO.	
				A		05XQ0	
				DWG NO.		REV.	
						1 OF 1	