

Description:

PMI Model Number: PE2-12-30M40G-5R5-18-12-SFF is a 30 MHz to 40 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:	0.03 to 40.0 GHz
Gain:	12dB Typical
Gain Flatness:	+/-2.75dB Typical
Noise Figure*:	5.5dB Typical
OP1dB:	+16dBm Minimum
VSWR Input/Output:	2.2:1 Typical
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	230mA Nominal
Connectors In/Out	SMA Female

*Measured to 26.5GHz only.

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:

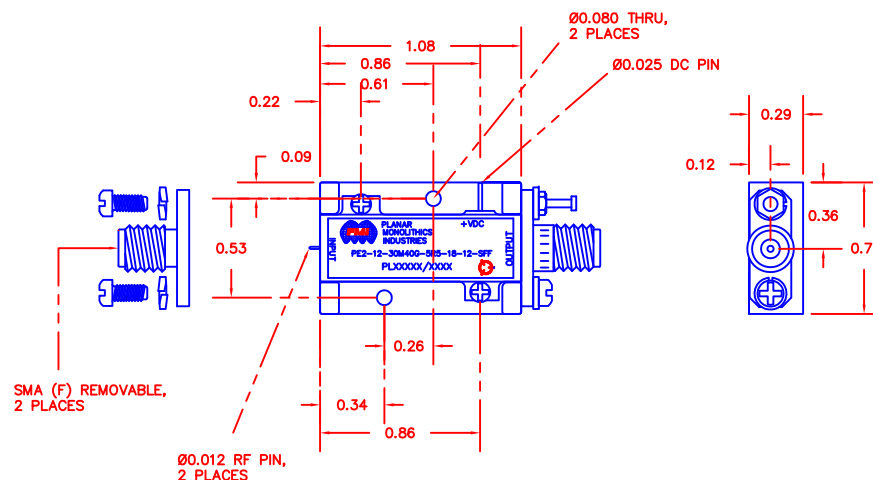
Temperature:	-20 to +70 Deg. C (Operating)
	-65 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

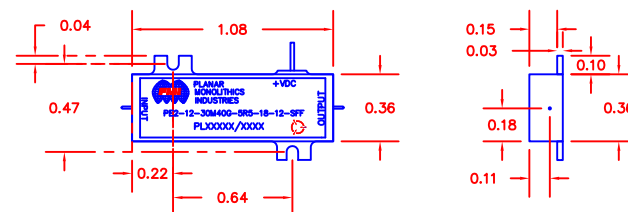
Note: Specifications are valid at +25C.

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	—	PRELIMINARY	3/10/15
			APPROVED
			KM

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		3/10/15		PRODUCT FEATURE	
CHECKED						PE2-12-30M40G-5R5-18-12-SFF	
ISSUED						PRELIMINARY	
SIZE		FSCM NO.		DWG NO.		REV.	
A		05XQ0				—	
SCALE		N: S				SHEET	
						1 OF 1	

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