REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	11/20/12	
	A1	ECN # 17-0019	02/09/17	

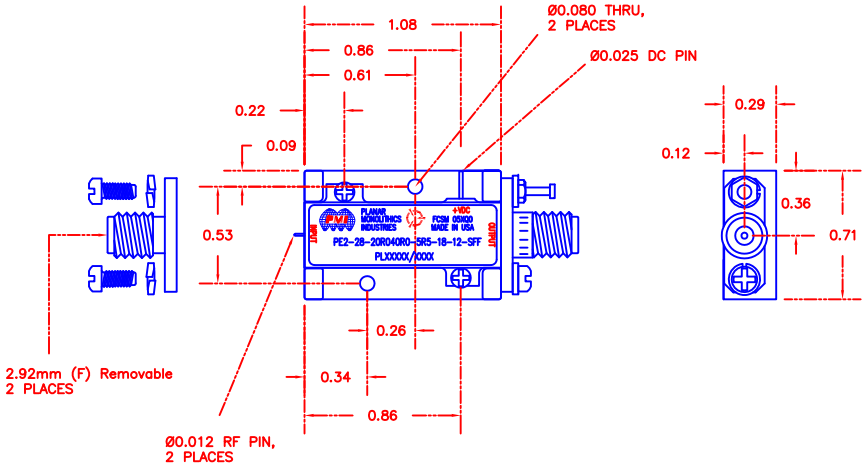
Description:

PMI Model Number: PE2-28-20R040R0-5R5-18-12-SFF is a 20 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:	20 to 40 GHz
Gain:	28dB Typ.
Gain Flatness:	±2.5dB Max.
Noise Figure:	5.5dB Typ. (Measured to 26.5GHz only)
OP1dB:	+18dBm Typ.
	+15dBm Min.
VSWR Input/Output:	2.3:1 Typ.
DC Supply:	+12VDC to +15VDC @ 350mA Nom.
Connectors In/Out:	2.92mm (F) Removable
Finish:	Gold Plated

PE2 HOUSING WITH CARRIER



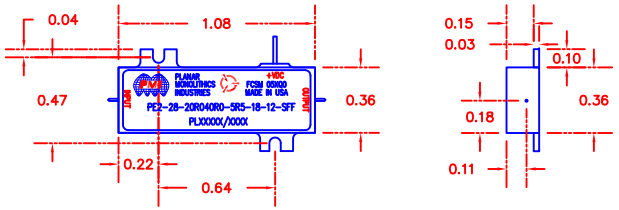
Features:

Internal Voltage Regulation
Unconditional Stability

Available Options:

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

PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



CONFIDENTIAL & PROPRIETARY

Environmental Ratings:

Temperature:	-54°C to + 95°C (Operating)
	-65°C to +125°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.

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

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 9001:2008 CERTIFIED

APPROVALS	DATE
DRAWN sfk	11/20/12
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
PE2-28-20R040R0-5R5-18-12-SFF

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27017921	A1

SCALE N:S SHEET 1 OF 1