

Description:

PMI Model Number: PE2-12-30M40G-5R5-18-12-292FF 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 2.92mm(F) 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	2.92mm 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:

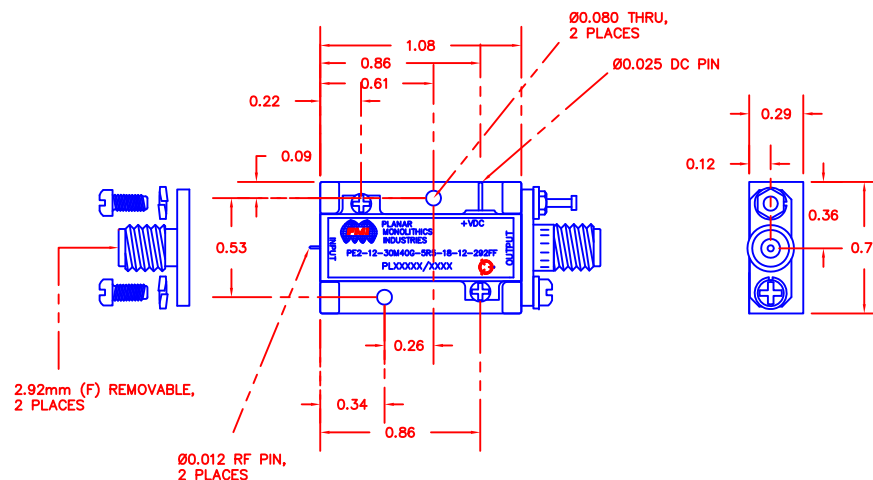
Temperature:	-20 to +70 Deg. C (Operating)
	-65 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

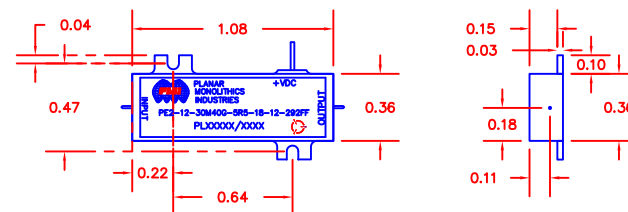
Note: Specifications are valid at +25C.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	3/11/15	KM

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS		DATE	TITLE			
DRAWN			PRODUCT FEATURE			
CHECKED			PE2-12-30M40G-5R5-18-12-292FF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	—
			SCALE	N: S		SHEET 1 OF 1