

Description:

PMI Model Number: PE2-40-1R018R0-4R5-22-12-SFF-1 is a 1 to 18 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:	1 to 18 GHz
Gain:	30dB Min, 40dB Typ
Gain Flatness:	±1.5dB Max
Noise Figure:	4.5dB Max
OP1dB:	22dBm Min
VSWR Input/Output:	2.0:1 Max
DC Supply:	+12 to +15VDC @ 600mA Typ
Connectors In/Out:	SMA Female
Finish:	Gold Plated

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
Hermetic Sealing

Environmental Ratings:

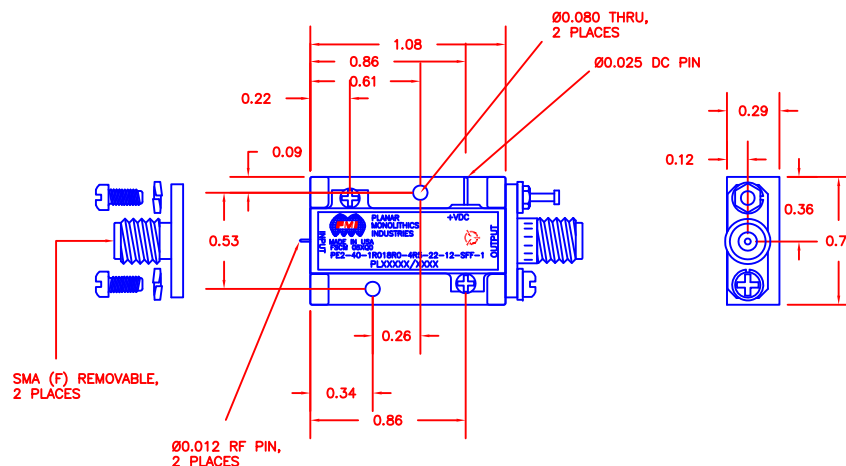
Temperature:	-54°C to + 95°C (Operating) -65°C to +125°C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

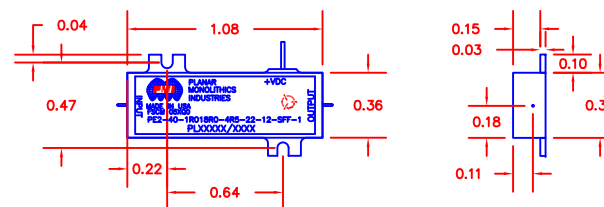
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	11/5/18	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE	
DRAWN	<i>sfk</i>	09/05/18		PRODUCT FEATURE	
REDRAWN	<i>EW</i>	11/5/18		PE2-40-1R018R0-4R5-22-12-SFF-1	
ISSUED				SIZE	FSCM NO.
				A	05XQ0
				DWG NO.	PRELIMINARY
				SCALE	N:S
				SHEET	1 OF 1