

Description:

PMI Model Number: PE2-25-7G10G-5R0-20-SFF is a 7 to 10 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:	7 to 10 GHz
Gain:	+22dB Min +25dB Typ
Gain Flatness:	±0.5dB Max
Noise Figure:	5.0dB Max
OP1dB:	+20dBm Min
OIP3:	+27dBm Min
VSWR Input/Output:	2.0:1 Max
DC Supply:	+12 to +15VDC @ 350mA Max
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

Environmental Ratings:

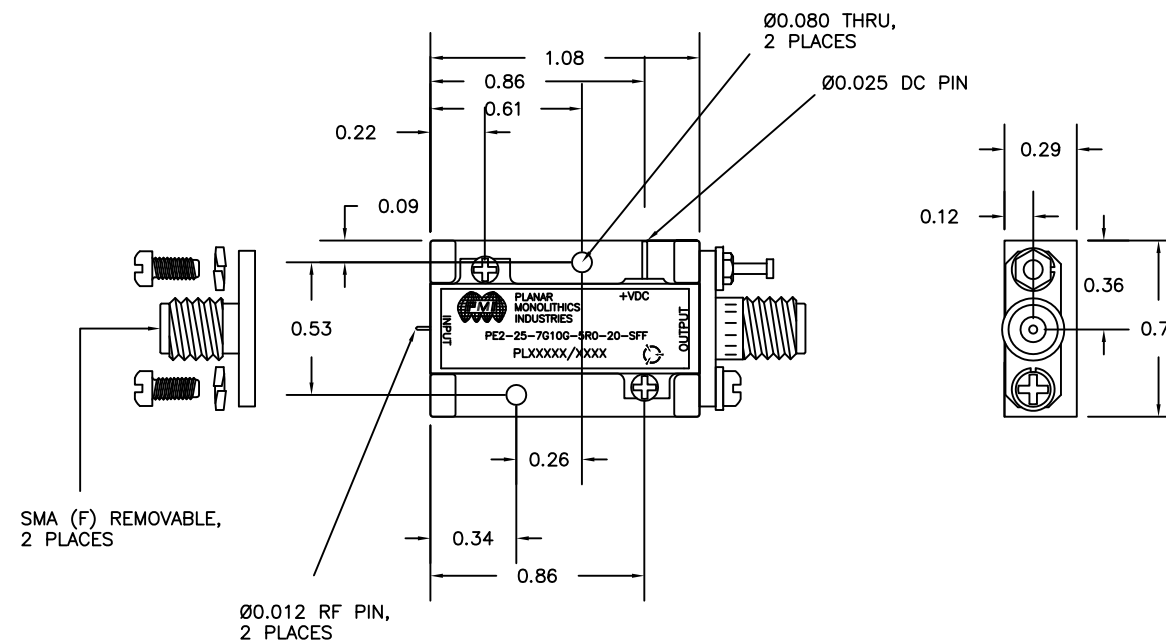
Temperature:	-54°C to + 95°C (Operating) -65°C to +125°C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

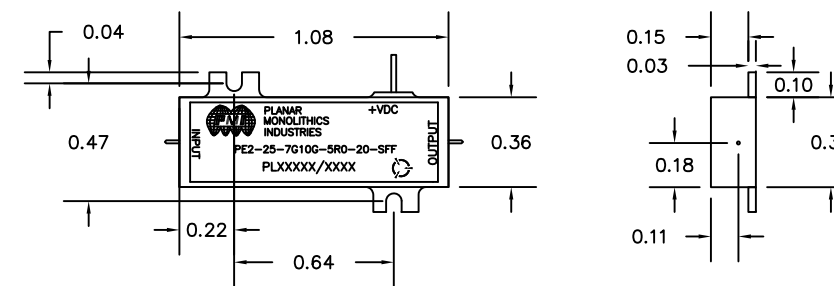
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	05/14/12	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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APPROVALS		DATE	TITLE			
DRAWN <i>sfk</i>		05/14/12	PRODUCT FEATURE PE2-25-7G10G-5R0-20-SFF			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27016841	REV. A
ISSUED			SCALE N:S		SHEET 1 OF 1	