

Description:

PMI Model Number: PE2-25-218-20-12-SFF is a 2 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.

This model provides the following performance. Data is available upon request.

Specifications:

Frequency Range:	2 to 18 GHz
Gain:	25dB Min.
Gain Flatness:	+/- 1.5dB Max.
Noise Figure:	4.5dB Typ, 5.5dB Max.
OP1dB:	+20dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	350mA Max.
Connectors In/Out:	SMA Female
RF Input Power:	+18 dBm MAX
Sealing:	Hermetic

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

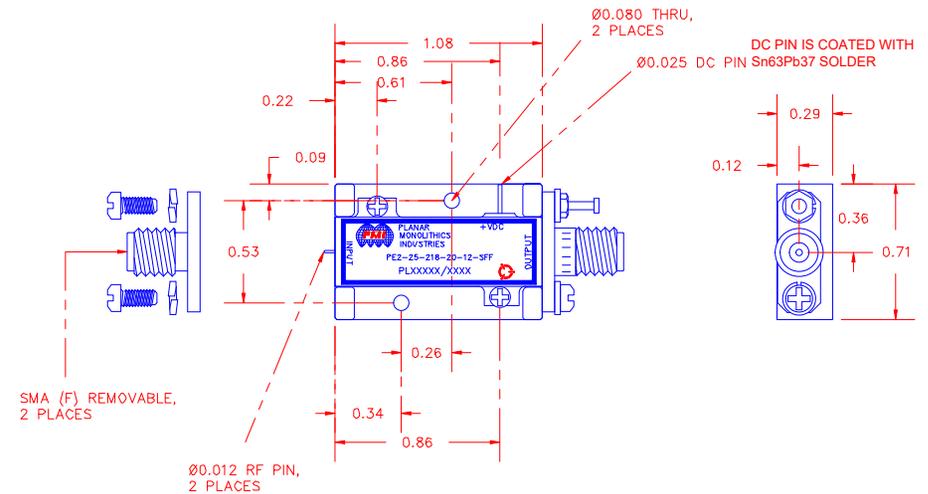
Environmental Ratings:

Temperature:	-55°C to + 85°C (Operating) -65°C to +125°C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Vibration:	MIL-STD-202F, METHOD 204D, COND. B
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

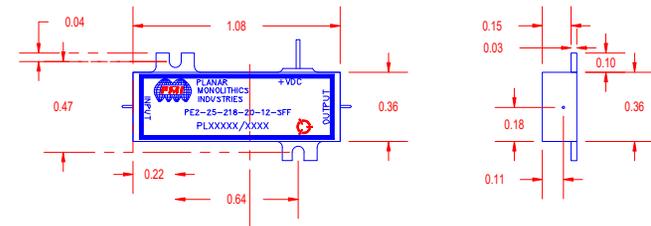
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	12/15/10	
	C1	ECN # 24-0351	12/09/24	
	D1	ECN # 25-0262	09/09/25	

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 ±0.010
X.XXX ±0.005

APPROVALS		DATE	TITLE			REV.
DRAWN <i>sfk</i>		12/15/10	PRODUCT FEATURE			
CHECKED			PE2-25-218-20-12-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	
			A	05XQ0	27004763	D1
			SCALE	N: S	SHEET	1 OF 1