

Description:

Low Noise Amplifier designed for Military and Industrial applications. This amplifier is supplied in our standard PE2 housing can be used as a SMA connectorized or a surface mount component. Other packages and connector types are available.

Specifications:

Frequency Range: 0.5 to 18.0 GHz

Gain:

0.5-2.0 GHz 10 dB Typ.

2.0-4.0 GHz 14 dB Typ.

4.0-9.0 GHz 15 dB Typ.

9.0-18.0 GHz 17 dB Typ.

VSWR Input/Output: 2.5:1 Max.

Noise Figure: Not Specified.

OP1dB: +14 dBm Min.

DC Voltage Supply: +15 VDC

DC Current Draw: 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 +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.

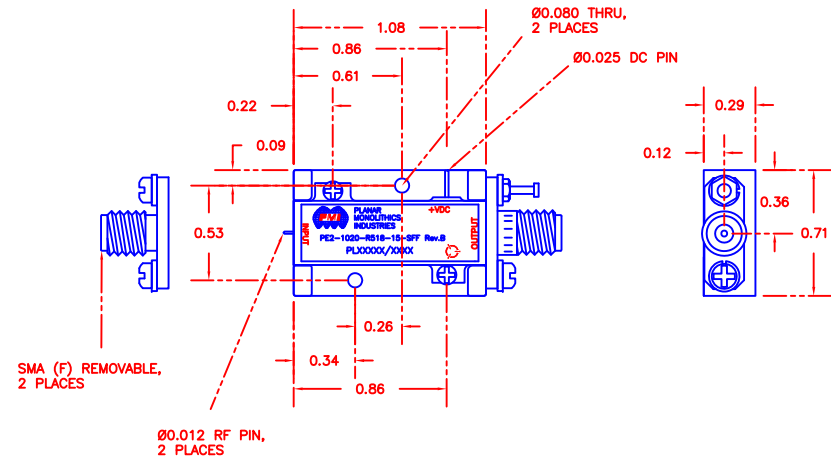
Altitude: MIL-STD-202F, METHOD 105C COND B.

Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

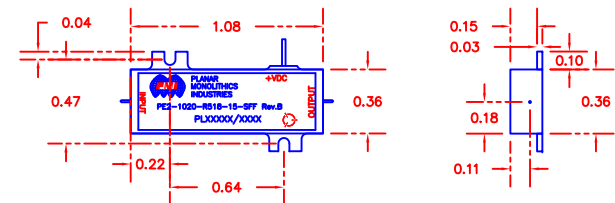
Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	12/9/12	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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ISO 9001:2008 CERTIFIED

ALL DIMENSIONS ARE IN INCHES

TOLERANCES:
 X.XX ±0.010
 X.XXX ±0.005

APPROVALS		DATE	TITLE			
DRAWN	<i>JJR</i>	12/9/12	PRODUCT FEATURE PE2-1020-R518-15-SFF Rev.B			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27000583	A
			SCALE	N:S	SHEET	1 OF 1