

Description:

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

Specifications:

Frequency Range:	2.0 to 18.0 GHz
Gain:	+28dB Typ.
Gain Flatness:	+/- 2.5dB Typ.
Noise Figure:	3.0dB Typ.
OP1dB:	+20dBm Typ.
VSWR Input/Output:	2.0:1 Typ.
DC Voltage Supply:	+12 to +15VDC
DC Current Draw:	250mA 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:

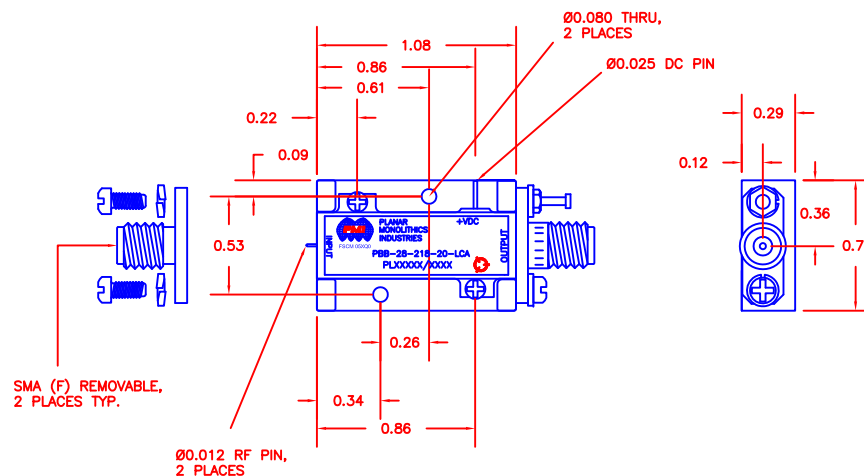
Temperature:	-20°C to + 70°C (Operating) -55°C to +125°C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

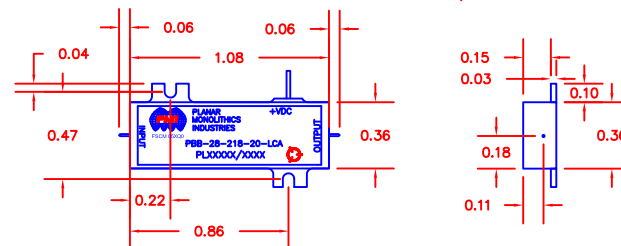
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	02/21/08	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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APPROVALS		DATE		TITLE	
DRAWN	<i>KM</i>		02/21/08	PRODUCT FEATURE PBB-28-218-20-LCA	
CHECKED				SIZE	FSCM NO.
ISSUED				A	05XQ0
				DWG NO.	PBB-28-218-20-LCA
				SCALE	N:S
				SHEET	1 OF 1