

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 to 20 GHz
Gain: +28dB Typ.
Gain Flatness: +/- 2.25dB Typ.
Noise Figure: 3.0dB Typ.
OP1dB: +12dBm Typ.
VSWR Input/Output: 2.0:1 Typ.
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 150mA Typ.
Connectors In/Out: SMA Female
Finish: Gold Plated

Features:

Internal Voltage Regulation
Unconditional Stability
Standard Operating Temperature -20°C to +70°C

Available Options:

Various Package types
Various Connector types
Temperature Compensation
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

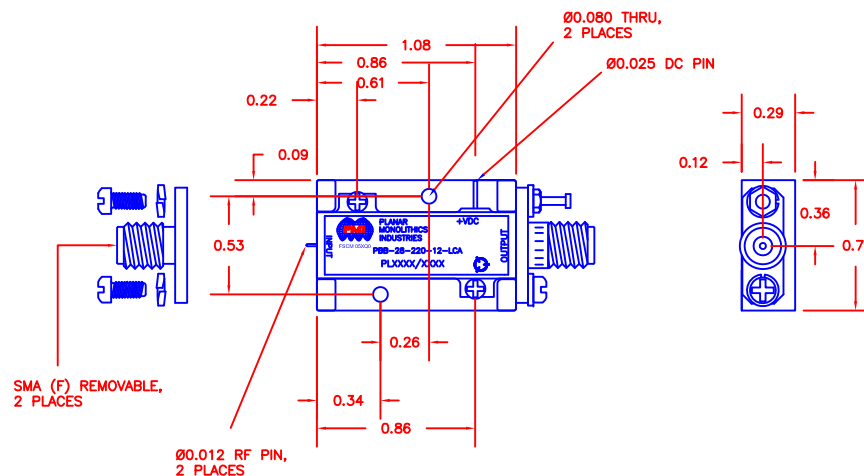
Temperature: -20°C to + 70°C (Operating)
-55°C to +125°C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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

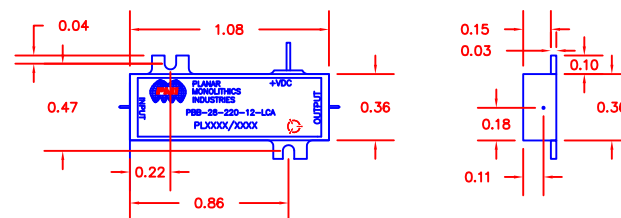
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

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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ISO 9001:2000 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN	KM	02/21/08		PRODUCT FEATURE PBB-28-220-12-LCA	
CHECKED				SIZE	FSCM NO.
ISSUED				A	05XQ0
				DWG NO.	REV.
				PBB-28-220-12-LCA	A
				SCALE N:S	SHEET 1 OF 1