

DESCRIPTION

LOW NOISE AMPLIFIER DESIGNED FOR MILITARY AND INDUSTRIAL APPLICATIONS. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PE2 HOUSING THAT CAN BE USED AS AN SMA CONNECTORIZED OR A SURFACE MOUNT COMPONENT. OTHER PACKAGES AND CONNECTOR TYPES ARE AVAILABLE. THIS MODEL PROVIDES THE FOLLOWING PERFORMANCE. DATA IS AVAILABLE UPON REQUEST.

SPECIFICATIONS

- FREQUENCY RANGE: 4.0 to 8.0 GHZ
- GAIN: 45dB MINIMUM, 55dB MAXIMUM
- GAIN FLATNESS: ± 1.5 dB MAXIMUM
- NOISE FIGURE: 3dB GOAL, 3.5dB MAXIMUM
- OP1dB: +20dBm MINIMUM
- VSWR (IN/OUT): 2.0:1 MAXIMUM
- CONNECTORS: SMA (F) REMOVABLE
- DC SUPPLY: +12 TO +15VDC @ 385mA NOMINAL
- SIZE (L) 1.08" X (W) 0.71" X (H) 0.29"
EXCLUDING CONNECTORS
- 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 + 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
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

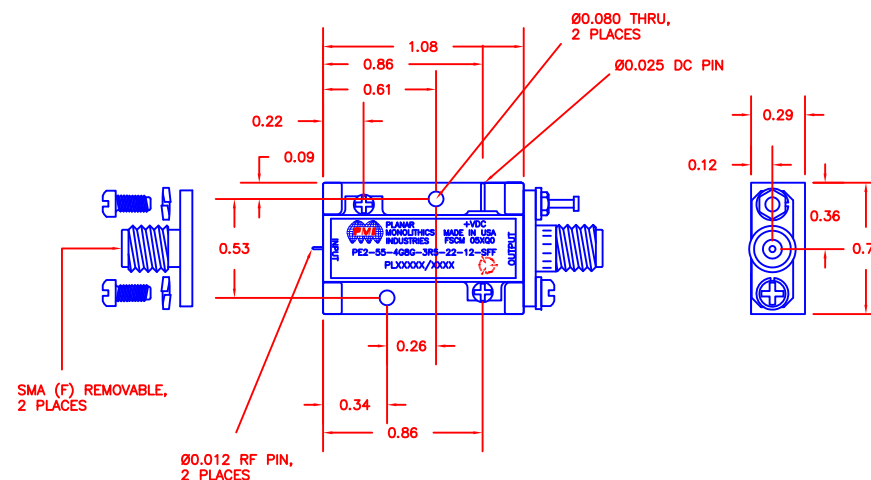
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

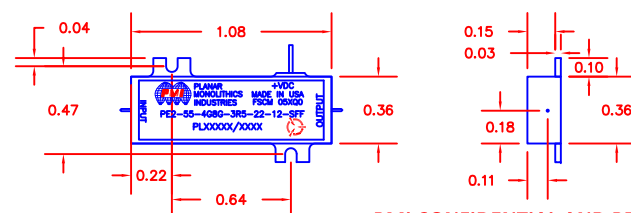
REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	—	PRELIMINARY	10/4/18
	1	UPDATED SPECS	10/5/18
APPROVED			

MECHANICAL OUTLINE

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE			
DRAWN		8/1/14		PRODUCT FEATURE			
REDRAWN		10/4/18		PE2-55-4G8G-3R5-22-12-SFF			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	PRELIMINARY	1
				SCALE	N:S	SHEET	1 OF 1