

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: ----- 8.0 TO 12.0 GHz
- GAIN: ----- 45 dB NOMINAL
- GAIN FLATNESS: ----- ±2.0 MAXIMUM
- NOISE FIGURE: ----- 1.0 dB TYPICAL
- OP1dB: ----- +12 dBm MINIMUM
- VSWR (IN/OUT): ----- 2.2:1 MAXIMUM
- CONNECTORS: ----- SMA FEMALE REMOVABLE
- DC SUPPLY: ----- +12 TO 15 VDC @ 200 mA NOMINAL
- SIZE: ----- [L] 1.08" x [W] 0.71" x [H] 0.29"
EXCLUDING CONNECTORS
- FINISH: ----- GOLD PLATED

SPECIFICATIONS

- 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)
-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

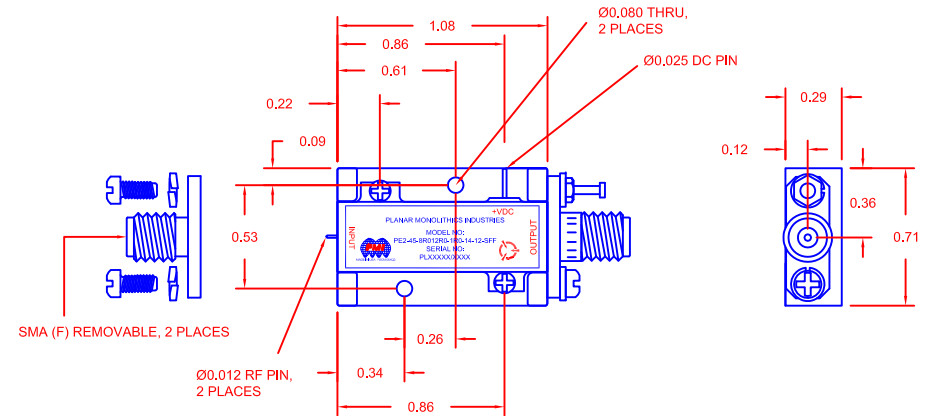
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

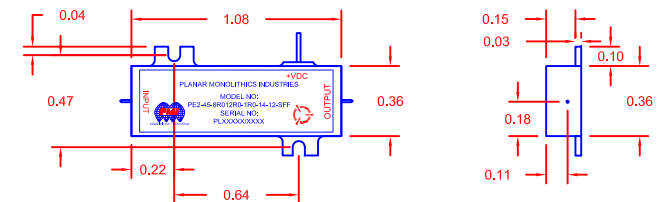
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	1/4/16	
	A1	ECN # 16-0198	12/09/16	

MECHANICAL OUTLINE

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN <i>M. Berry</i>		1/4/16	PRODUCT FEATURE		
CHECKED			PE2-45-8R012R0-1R0-14-12-SFF		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	27028541
			SCALE	N:S	SHEET 1 OF 1
					REV. A1