

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: 2.0 to 6.0 GHz
- GAIN: +16 dB TYP / +14 dB MIN
- GAIN FLATNESS: ±1.5 dB MAX
- NOISE FIGURE: 1.8 dB TYP
- VSWR INPUT/OUTPUT: 2.0:1 MAX
- OP1dB: +10 dBm MIN
- DC VOLTAGE SUPPLY: +12 to +15 VDC
- DC CURRENT DRAW: 65 mA MAX
- 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

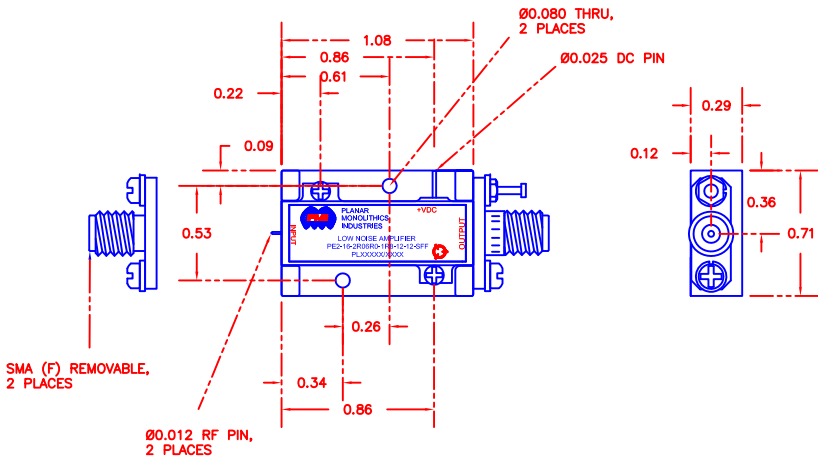
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

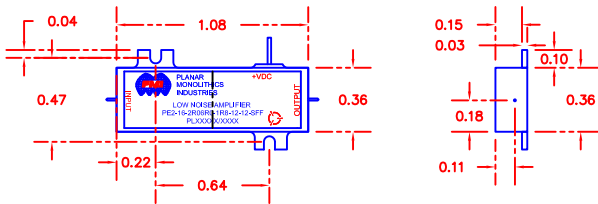
ALL DIMENSIONS
ARE IN INCHES [mm]
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	6/27/2018	
	A2	ECN # 19-0014	1/30/2019	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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APPROVALS		DATE	TITLE				REV.
DRAWN	<i>EMF</i>	09/29/16	PRODUCT FEATURE				
REDRAWN	<i>SPU</i>	6/27/18	PE2-16-2R06R0-1R8-12-12-SFF				
ISSUED			SIZE	FSCM NO.	DWG NO.		A2
			A	05XQ0	27035320		
			SCALE	N:S		SHEET	1 OF 1