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

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_	FREQUENCE	RANGE:		٠. ر	J	LO	10	١. (J	GП.	Ζ.

_	O A IA I	70.15	3 MINIMUM

- GAIN FLATNESS: ±2.0dB MAXIMUM
- NOISE FIGURE:
 4.0dB TYPICAL, 4.8dB MAXIMUM
- OP1dB: +20dBm TYPICAL, +19dBm MINIMUM
- OIP3: +27dBm TYPICAL
- REVERSE ISOLATION:— 70dB TYPICAL
- IMPEDANCE: ______ 50 OHMS
- INPUT POWER: _______ 1 WATT CW
 - +50dBm PEAK PULSE, 1% DC, 10us PW
- DC SUPPLY: +12 TO +15VDC @ 380mA NOMINAL
- - *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: -55°C TO + 85°C (OPERATING)
- -65° C TO $+125^{\circ}$ 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

ALL DIMENSIONS ARE IN INCHES

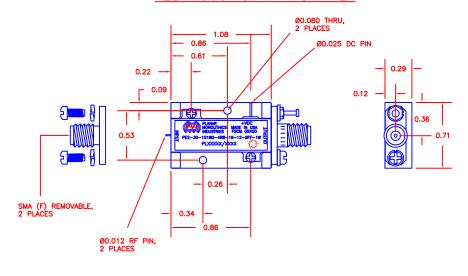
TOLERANCES:

X.XX ±0.020
X.XXX ±0.010

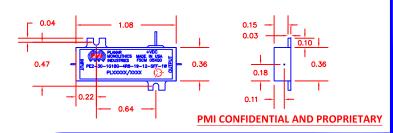
REVISIONS								
ZONE	REV.	DESCRIPTION	DATE	APPROVED				
	_	PRELIMINARY	3/24/15	KM				

MECHANICAL OUTLINE

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PLANAR MONOLITHICS INDUSTRIES, INC

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ISO 9001 CERTIFIED



		TITLE									
APPROVALS	DATE		PRODUCT FEATURE								
DRAWN K. MASON	3/24/15	PΕ	PE2-30-1G18G-4R8-19-12-SFF-1W								
CHECKED		SIZE	FSCM NO.		DWG NO.					REV.	
ISSUED			05)	XQ0		PRELIM	(INAR)			-	
ISSUED		SCALE	N:S				SHEET	1	OF	1	

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