

DESCRIPTION:

PMI Model Number: PEC4-16-50M18G-4R0-19-15-SFF is a 50 MHz to 18.0 GHz compact amplifier. This amplifier is supplied in our standard PEC4 housing. This model provides the following performance. Data is available upon request.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	06/23/16	JM

SPECIFICATIONS:

Frequency Range: 0.05 to 18.0 GHz
Gain: +14 dB Min, 19 dB Max
Gain Flatness: ± 2.0 dB Max
Noise Figure: 4.0 dB Typ
OP1dB: +19 dBm Min
VSWR Input: 2.0:1 Max
VSWR Output: 2.0:1 Max
DC Voltage Supply: +12 to +15 VDC
DC Current Draw: 200 mA Max
Connectors In/Out: SMA Female
Maximum Input: +23 dBm CW
Finish: Gold Plated

FEATURES:

Internal Voltage Regulation
Unconditional Stability
Input Limiter

AVAILABLE OPTIONS:

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

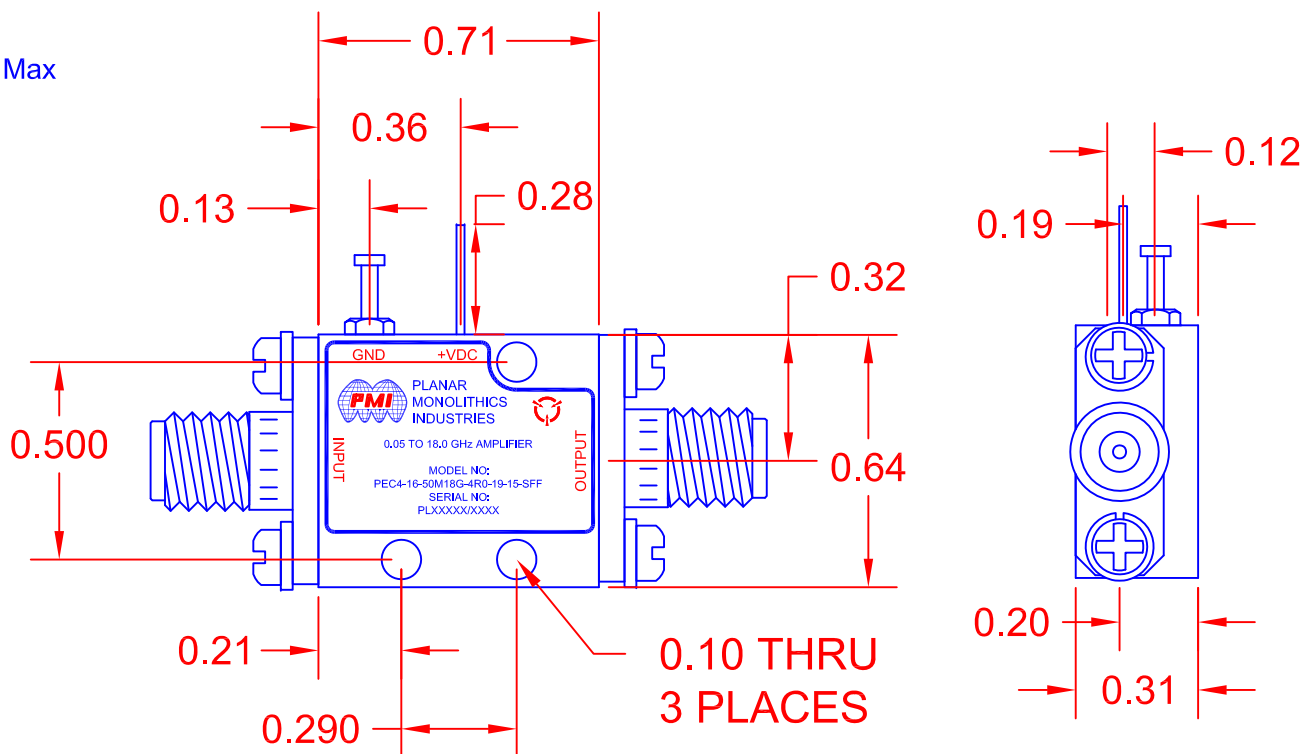
ENVIRONMENTAL RATINGS:

Temperature: -40 °C to +75 °C (Operating)
-65 °C to +110 °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 ± 0.020
X.XXX ± 0.010

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE PEC4-16-50M18G-4R0-19-15-SFF 0.05 to 18.0 GHz Amplifier					
APPROVALS						DATE	
DRAWN <i>JS</i>						12/07/15	
CHECKED <i>sft</i>						12/07/15	
ISSUED		SIZE A	FSCM NO. 71A34	DWG NO. 27029831		REV 1	
		SCALE N:S			SHEET 1 OF 1		