

## DESCRIPTION

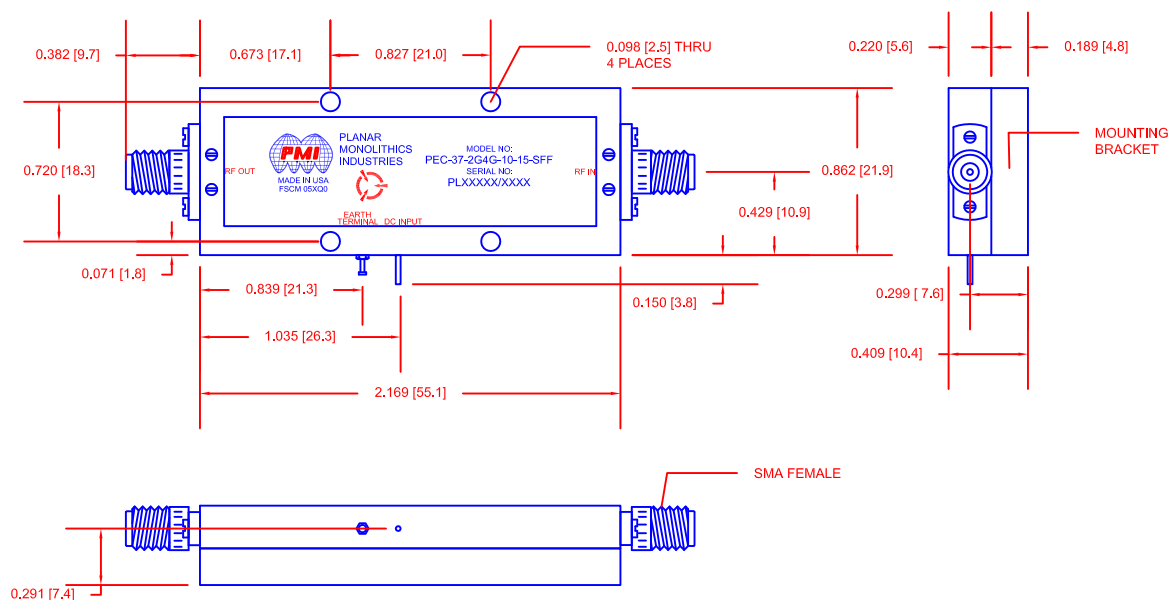
PMI MODEL NO. PEC-37-2G4G-10-15-SFF IS A LOW NOISE AMPLIFIER THAT OPERATES OVER THE FREQUENCY RANGE OF 2.0 TO 4.0 GHz. IT HAS A MAXIMUM NOISE FIGURE OF 10 dB AND A MAXIMUM VSWR OF 2.0:1. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	3/11/2019	

## MECHANICAL OUTLINE

## SPECIFICATIONS

- FREQUENCY RANGE: 2.0 TO 4.0 GHz
- SMALL SIGNAL GAIN (0°C TO 60°C):  $37 \pm 2$  dB MAX
- NOISE FIGURE: 10 dB MAX
- SATURATION OUTPUT POWER (1 dB GAIN COMP): +23 dBm MIN
- VSWR IN/OUT: 2.0:1 MAX
- GAIN VARIATION VS FREQUENCY RESPONSE:  $\pm 1.5$  dB MAX
- GAIN VARIATION VS TEMPERATURE AND FREQUENCY RESPONSE: 4 dB MAX (-20°C TO +60°C)
- INTERCEPT POINT: +30 dBm MIN
- RF HANDLING INPUT POWER: +20 dBm
- POWER: +15 V @ 1 A MAX
- CONNECTORS IN/OUT: SMA FEMALE
- FINISH: PAINTED BLUE



## ENVIRONMENTAL RATINGS

- TEMPERATURE: +20 °C TO +60 °C (OPERATING)  
-40 °C TO +60 °C (STORAGE)
- HUMIDITY: 95% RH MAXIMUM
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



		TITLE  PRODUCT FEATURE PEC-37-2G4G-10-15-SFF				REV -			
APPROVALS	DATE						SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
DRAWN EW	3/11/19								
REDRAWN									
ISSUED		SCALE N:S	SHEET 1 OF 1						