

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	5/26/09	

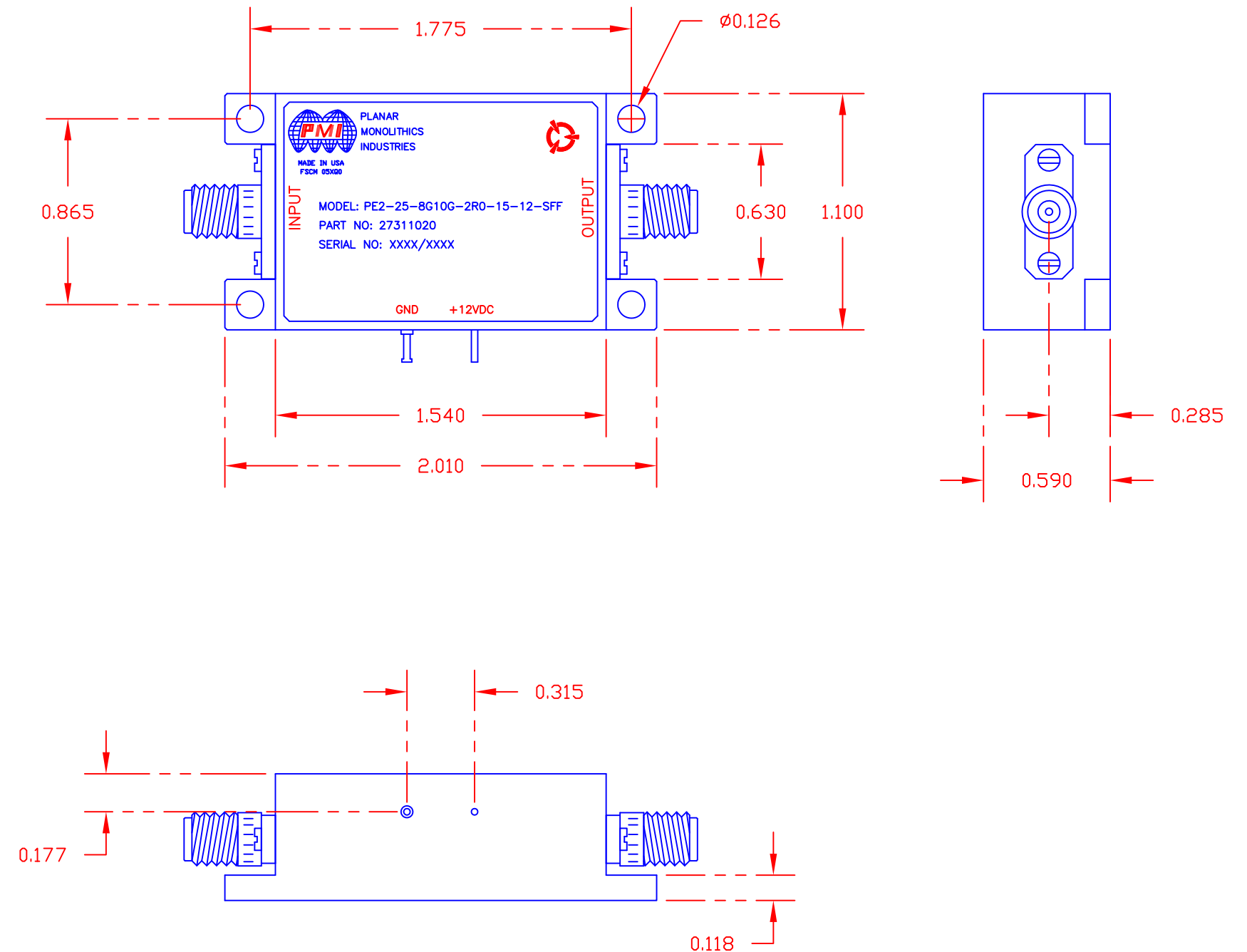
DESCRIPTION

PMI MODEL PE2-25-8G10G-2R0-15-12-SFF IS A LOW NOISE AMPLIFIER WHICH OPERATES OVER THE 8.5 TO 9.6GHz FREQUENCY RANGE. THIS MODEL PROVIDES 25dB OF GAIN AND OFFERS AN OP1dB OF 8dBm. THE NOISE FIGURE IS LESS THAN 2.0dB.

SPECIFICATIONS

- GAIN: 25 dB +/-1dB
 - GAIN FLATNESS: +/- 1dB MAX
 - OP1dB: +8dBm +/-1dBm
 - NOISE FIGURE: 2.0dB MAX
 - INPEDANCE: 50 OHMS +/-2 OHMS
 - VSWR IN/OUT: 1.8:1 MAX
 - INPUT POWER: +16dBm CW MAX
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- DC VOLTAGE: +12VDC +/-5%
 - DC CURRENT: 120mA TYP
 - CONNECTORS IN/OUT: SMA (F)
 - FINISH: ALUMINUM 6061-T6
GOLD PLATING - NO PAINT

MECHANICAL OUTLINE



ENVIRONMENTAL RATINGS

- TEMPERATURE: -10°C TO +70°C (OPERATING)
..... -25°C TO +125°C (STORAGE)

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE:		PART NO.	
FRACTIONS	DECIMALS	ANGLES	APPROVALS	DATE	TITLE
±	.XX ± 0.010	±	<i>KM</i>	5/26/09	PLANAR MONOLITHICS INDUSTRIES 5715 INDUSTRY LANE UNIT 11 FREDERICK, MARYLAND
	.XXX ± 0.005				
MATERIAL: ALUMINUM ALLOY 6061-T6		DRAWN		OUTLINE DRAWING	
FINISH: 50 µin. GOLD PLATING MIN. OVER COPPER FLASH OVER NICKEL FLASH PER MIL-G 45204 TYPE 2		CHECKED		PE2-25-8G10G-2R0-15-12-SFF	
NEXT ASSY		ISSUED		SIZE B	FSCM NO.
USED ON		DO NOT SCALE DRAWING		DWG NO. 27011021	REV. A
APPLICATION				SCALE N/S	SHEET 1 OF 1