

DESCRIPTION

PMI MODEL: PEC-25-70M330M-2-20-5-SFF IS A LOW NOISE AMPLIFIER OPERATING OVER THE 70 TO 330 MHz FREQUENCY RANGE. THIS MODEL OFFERS A MINIMUM GAIN OF 25 dB WHILE MAINTAINING A MAXIMUM NOISE FIGURE OF 2 dB. THIS COMPACT MODEL IS OUTFITTED WITH FEMALE SMA CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 70 TO 330 MHz
- GAIN: ----- 20 dB MINIMUM
25 dB TYPICAL
- P1dB: ----- 20 dBm MINIMUM
- INPUT POWER ----- 20 dBm MAXIMUM
- IP3: ----- 30 dBm TYPICAL
- NOISE FIGURE: ----- 2.0 dB TYPICAL
- VSWR IN/OUT ----- 2.2:1 MAXIMUM
- DC SUPPLY: ----- +5 VDC (+/- 5%) @ 100 mA
MAXIMUM
- CONNECTORS: ----- SMA FEMALE
- SIZE: ----- 31.75 mm x 31.75 mm x 14.30 mm
1.25" x 1.25" x 0.563"
- FINISH: ----- BLUE EPOXY POLIMIDE COATING
IAW MIL-C-22750, TYPE I OVER
EPOXY POLIMIDE PRIMER IAW
MIL-P-23377, TYPE I, CLASS 1 OR 3.

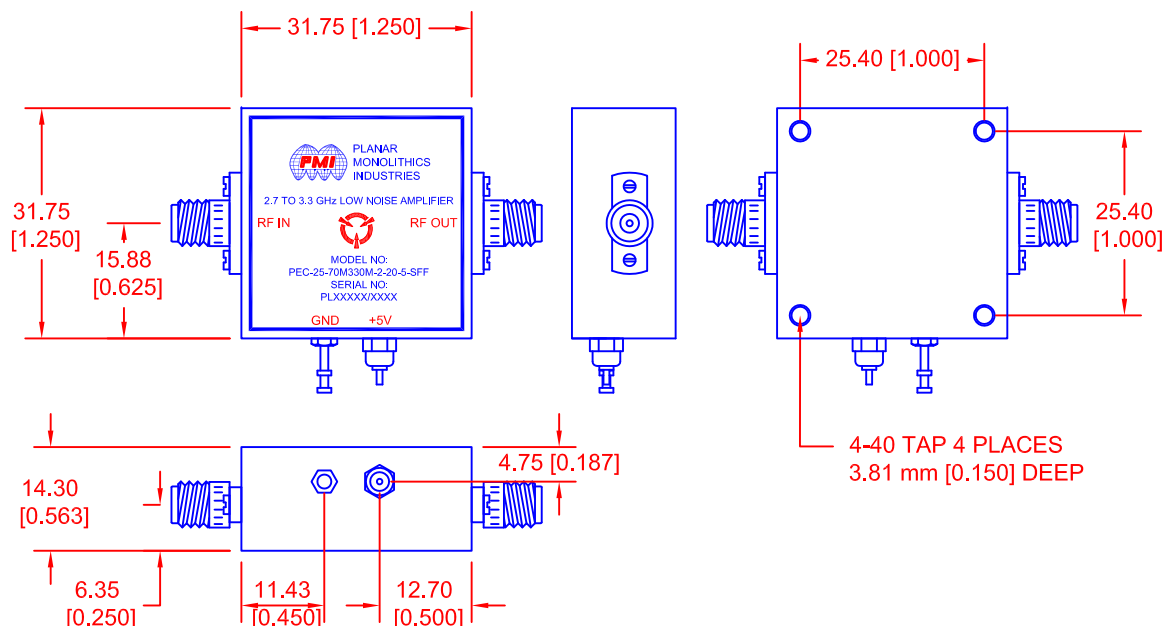
ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- 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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY



MECHANICAL OUTLINE

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	8/10/17	
	1	SPEC UPDATE	10/16/17	

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APPROVALS		DATE		TITLE	
DRAWN <i>JPH</i>		8/10/17		PRODUCT FEATURE PEC-25-70M330M-2-20-5-SFF 70 to 330 MHz Low Noise Amplifier	
CHECKED				SIZE A	FSCM NO. 05XQ0
ISSUED				DWG NO.	PRELIMINARY
				SCALE N:S	SHEET 1 OF 1