

DESCRIPTION

PMI MODEL: PEC-25-135M165M-1R0-18-12-SFF IS A 135 MHz TO 165 MHz LOW NOISE AMPLIFIER. THIS AMPLIFIER HAS A GAIN OF 25 dB WITH ± 0.5 dB FLATNESS, OP1dB OF +18 dBm AND A NOISE FIGURE OF 1.0 dB.

THIS MODEL PROVIDES THE FOLLOWING PERFORMANCE:

SPECIFICATIONS

- FREQUENCY RANGE: 135 MHz TO 165 MHz
- GAIN: 25 dB NOMINAL, 22 dB MINIMUM
- GAIN FLATNESS: ± 0.5 dB MAXIMUM
- NOISE FIGURE: 1.0 dB MAXIMUM
- OP1dB: +18 dBm TYPICAL
- VSWR (IN/OUT): 2.0:1 MAXIMUM
- INPUT POWER: +20 dBm CW MAXIMUM
- CONNECTORS: SMA FEMALE
- DC SUPPLY: 75 mA @ +12 TO 15 VDC NOMINAL
- 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. **MOUNTING SURFACE TO BE FREE OF PAINT**

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °C TO +85 °C (OPERATING)
-55 °C TO +125 °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: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

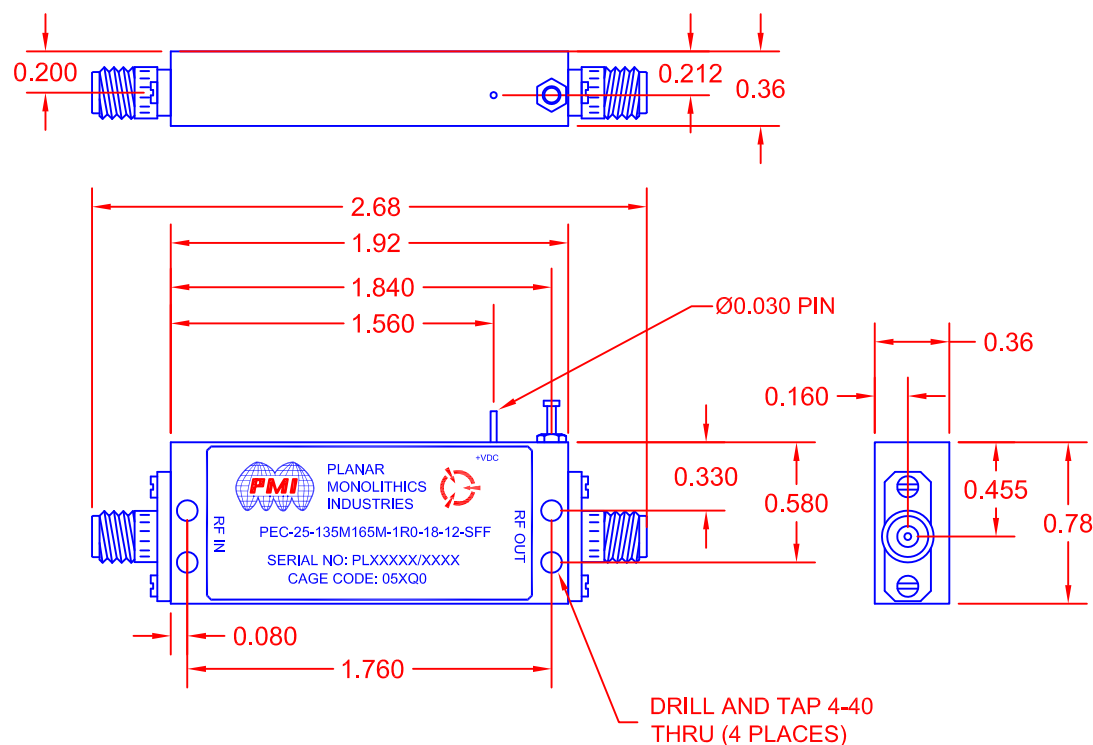
ALL DIMENSIONS ARE IN INCHES

TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	05/26/15	XM

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN K. MASON		5/26/15		PRODUCT FEATURE PEC-25-135M165M-1R0-18-12-SFF 135 MHz TO 165 MHz LOW NOISE AMPLIFIER	
CHECKED				SIZE A	FSCM NO. 05XQ0
ISSUED				DWG NO. PRELIMINARY	REV. -
SCALE N:S				SHEET 1 OF 1	