

DESCRIPTION

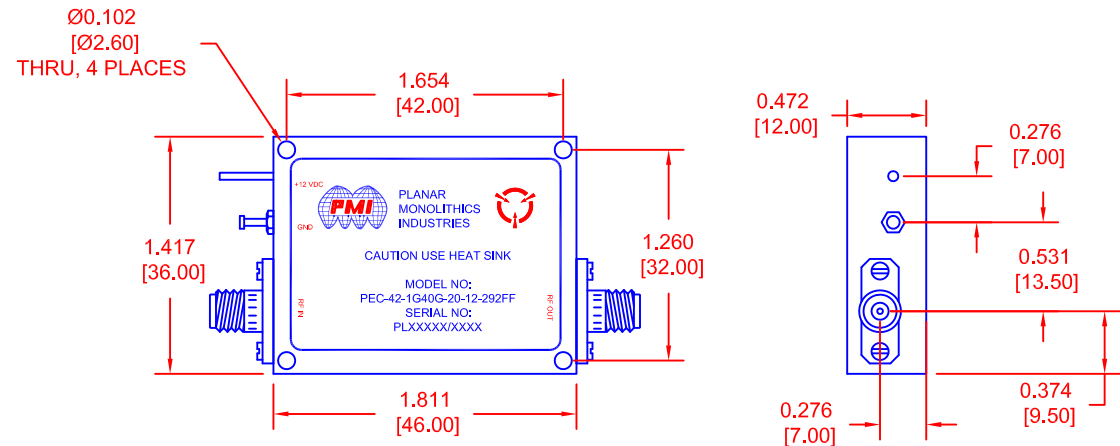
PMI MODEL: PEC-40-0R5G18G-20-15-SFF IS A 0.5 GHz TO 18 GHz LOW NOISE AMPLIFIER THAT HAS A TYPICAL GAIN OF 42 dB WHILE MAINTAINING A ± 2.5 dB FLATNESS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/14/2019	

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 GHz TO 18.0 GHz
- GAIN: 40 dB TYP, 35dB MIN.
- GAIN FLATNESS: ± 1.75 dB TYP, ± 2.0 dB MAX.
- NOISE FIGURE: 4.5 dB MAX @ 25° C
- OP1dB: +15 dBm MIN.
- VSWR (IN/OUT): 2.0:1 MAX
- DC SUPPLY: +9 TO +15 VDC @ 550 mA NOM
- SIZE: 42mm (L) x 36mm (W) x 12mm (H)
- CONNECTORS: SMA FEMALE

MECHANICAL OUTLINE



ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °C TO +70 °C (OPERATING)
-55 °C TO +85 °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

ALL DIMENSIONS
ARE IN INCHES (mm)
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE		
DRAWN		JPH		9/14/19		
CHECKED						
ISSUED						
SIZE		FSCM NO.		DWG NO.		
A		05XQ0		PRELIMINARY		
SCALE		N:S		SHEET		
				1 OF 1		

PRODUCT FEATURE
PEC-40-0R5G18G-20-15-SFF

REV.
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