

DESCRIPTION

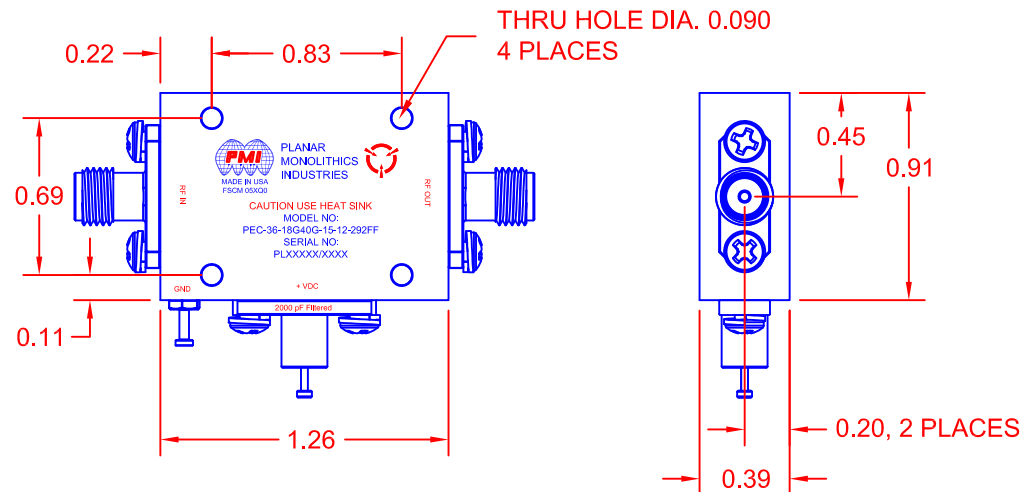
PMI MODEL: PEC-36-18G40G-15-12-292FF IS A 18 TO 40 GHz LOW NOISE AMPLIFIER THAT HAS A NOMINAL GAIN OF 36 dB WHILE MAINTAINING A ± 2.0 dB FLATNESS. THIS SMALL PACKAGE IS OUTFITTED WITH 2.92 mm FEMALE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/31/21	

MECHANICAL OUTLINE

SPECIFICATIONS

- FREQUENCY RANGE: ----- 18 TO 40 GHz
- GAIN: ----- 32 dB MIN / 45 dB MAX
- NOISE FIGURE: ----- 8 dB MAX
- OP1dB: ----- 15 dBm MIN
- INPUT POWER HANDLING: ----- +17 dBm CW MAX
- VSWR (IN/OUT): ----- 2.0:1 / 2.5:1 MAX
- DC SUPPLY: ----- +12 TO +15 VDC @ 500 mA MAX
- CONNECTORS: ----- 2.92 mm FEMALE
- SIZE: ----- 0.126" X 0.91" X 0.39"
32mm X 23mm x 10mm
(L X W X H)
- FINISH: ----- GOLD PLATED



ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -40 °C TO +50 °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

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

PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>JPH</i>		10/31/21	PRODUCT FEATURE PEC-36-18G40G-15-12-292FF			
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED			SCALE N:S		SHEET 1 OF 1	