

**DESCRIPTION:**

PMI MODEL NUMBER PEC-30-18G40G-17-292FF-HERM IS AN 18 TO 40 GHz LOW NOISE AMPLIFIER FEATURING 28 TO 32 dB GAIN, 17 dBm OP1dB, AND 200 mW POWER HANDLING.

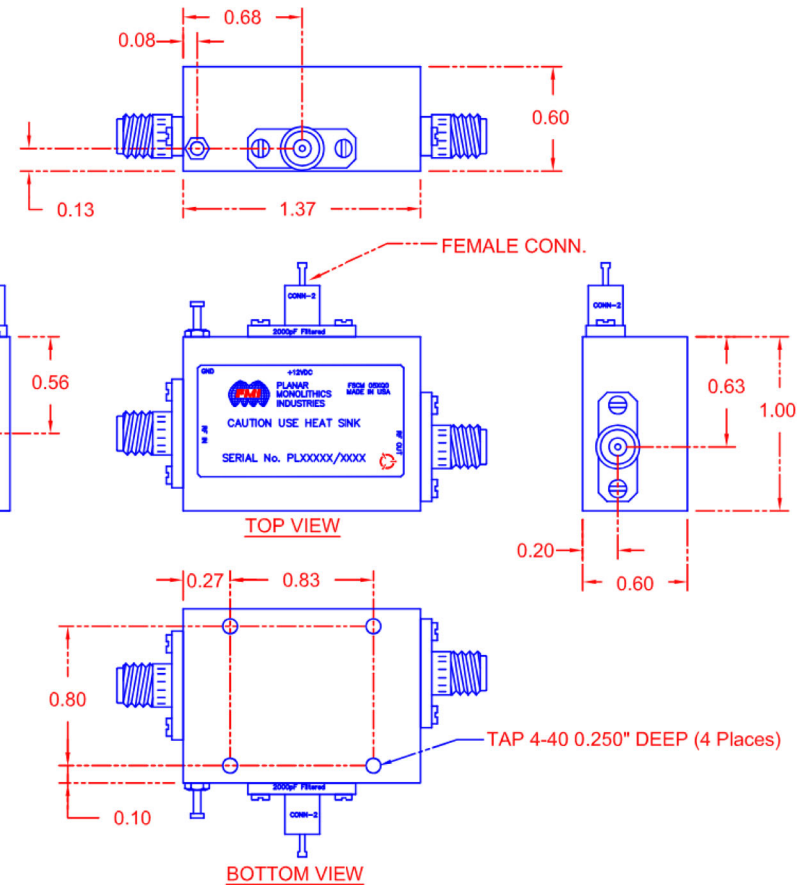
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	03/03/26	

**SPECIFICATIONS:**

- FREQUENCY: 18 TO 40 GHz
- NOISE FIGURE: 8 dB MAX
- SMALL SIGNAL GAIN: 28.0 dB MIN  
32.0 dB MAX
- GAIN VARIATION VS. TEMPERATURE: 3.0 dB P-P MAX  
(AT ANY SINGLE FREQUENCY)
- OP1dB: +17 dBm MIN  
+19 dBm TYP
- INPUT VSWR: 2.0:1 MAX
- OUTPUT VSWR: 2.5:1 MAX
- INPUT POWER: 200 mW CW MAX
- REVERSE GAIN: -30 dB MIN
- POWER SUPPLY: +11.4 TO +15.75 VDC @ 600 mA MAX
- RF CONNECTORS: 2.92 mm FEMALE
- WEIGHT: 60 g MAX
- FINISH: GOLD PLATED
- SEALING: HERMETIC

**ENVIRONMENTAL RATINGS**

- **TEMPERATURE:** -54°C TO +85°C (OPERATING)  
-57°C TO +95°C (STORAGE)
- **HUMIDITY:** DESIGNED TO OPERATE IN 100% RH ENVIRONMENT INCLUDING CONDENSATION, PER MIL-HDBK-5400, 4.6.2.4
- **SHOCK:** DESIGNED TO SURVIVE AND OPERATE DURING SHOCK PER MIL-HDBK-5400, 4.6.2.6: 20G, 6-9 ms
- **VIBRATION:** DESIGNED TO SURVIVE AND OPERATE DURING VIBRATION PER MIL-STD-810F, ANNEX C, FIG. 514. 5C-8
- **ALTITUDE:** OPERATIONAL TO 43,000 FT.



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN AG		03/03/26	PRODUCT FEATURE		
CHECKED			PEC-30-18G40G-17-292FF-HERM		
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
			SCALE N:S	SHEET 1 OF 1	

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  
 WEIGHT: 2.75 oz.