

## DESCRIPTION

PMI MODEL: PEC-30-500M40G-20-12-292FF-OPT1G18G IS A 1.0 TO 18.0 GHz LOW NOISE AMPLIFIER THAT HAS A TYPICAL GAIN OF 30 dB WHILE MAINTAINING A  $\pm 1.5$  dB FLATNESS.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 1.0 TO 18.0 GHz
- GAIN: ----- 30 dB TYP
- GAIN FLATNESS: -----  $\pm 1.5$  dB TYP
- NOISE FIGURE: ----- 5.5 dB TYP (UP TO 26.5 GHz)
- OP1dB: ----- +19 dBm TYP
- PSAT: ----- +23 dBm TYP
- INPUT POWER HANDLING: ----- +17 dBm CW MAX
- VSWR (IN/OUT): ----- 2.0:1 / 2.5:1 MAX
- DC SUPPLY: ----- +12 TO +15 VDC @ 350 mA NOM
- SIZE: ----- 1.37" (L) x 1.00" (W) x 0.60" (H)
- CONNECTORS: ----- 2.92 mm FEMALE

## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)  
----- -65 °C TO +117 °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

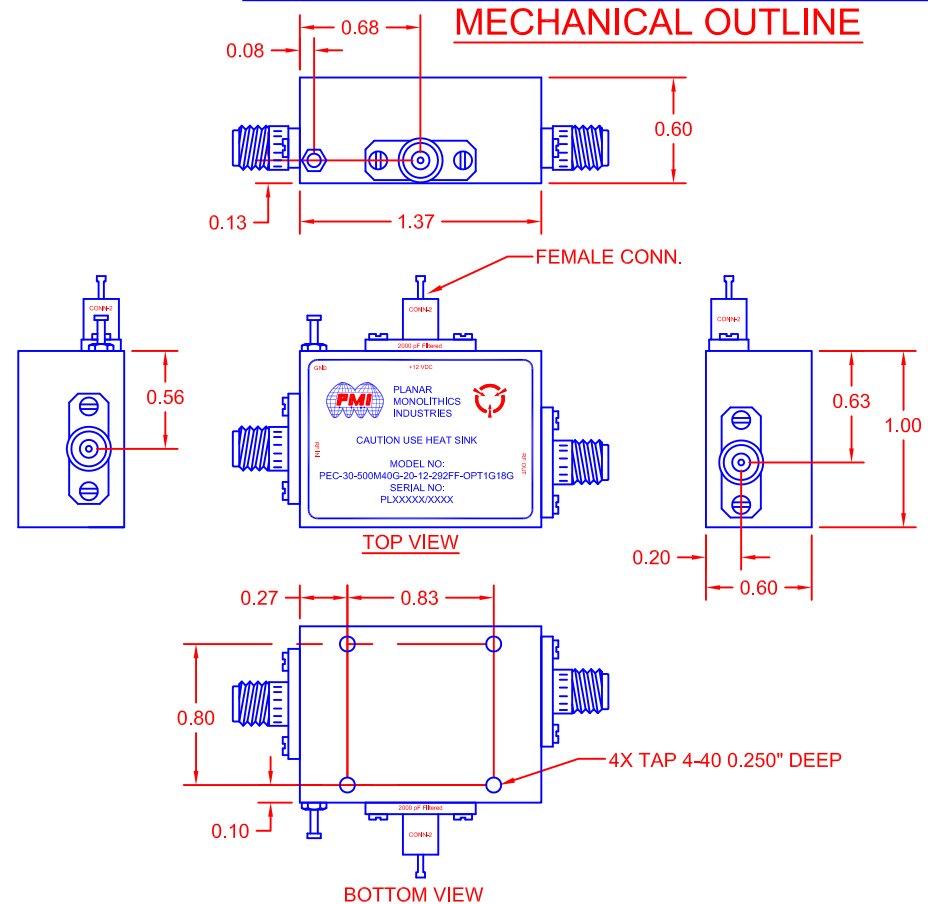
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	09/17/16	



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN <i>EMF</i>		09/17/16		PRODUCT FEATURE PEC-30-500M40G-20-12-292FF-OPT1G18G			
CHECKED				SIZE A	FSCM NO. 05XQ0	DWG NO.	REV. -
ISSUED				PRELIMINARY			SHEET 1 OF 1
				SCALE N:S			