

DESCRIPTION

PMI MODEL: PEC-12-50M40G-4R0-15-24FF IS AN AMPLIFIER OPERATING OVER THE 50 MHz TO 40 GHz FREQUENCY RANGE. THIS MODEL OFFERS 12 dB TYPICAL GAIN WHILE MAINTAINING A TYPICAL FLATNESS OF ± 2.5 dB AND A TYPICAL NOISE FIGURE OF 4.0 dB.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 50 MHz TO 40 GHz
- GAIN: ----- +12 dB TYPICAL
- FLATNESS: ----- ± 2.5 dB TYPICAL
- NOISE FIGURE: ----- 4.0 dB TYPICAL
- P1dB COMPRESSION: ----- +15 dBm MINIMUM
- VSWR (IN/OUT): ----- 2.2:1 TYPICAL
- DC SUPPLY: ----- +12 TO +15 V @ 230 mA NOMINAL
- CONNECTORS: ----- 2.4 mm FEMALE
- SIZE: ----- 21.18 mm x 19.09 mm x 9.27 mm
0.83" x 0.75" x 0.37"
- 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.

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °C TO +85 °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

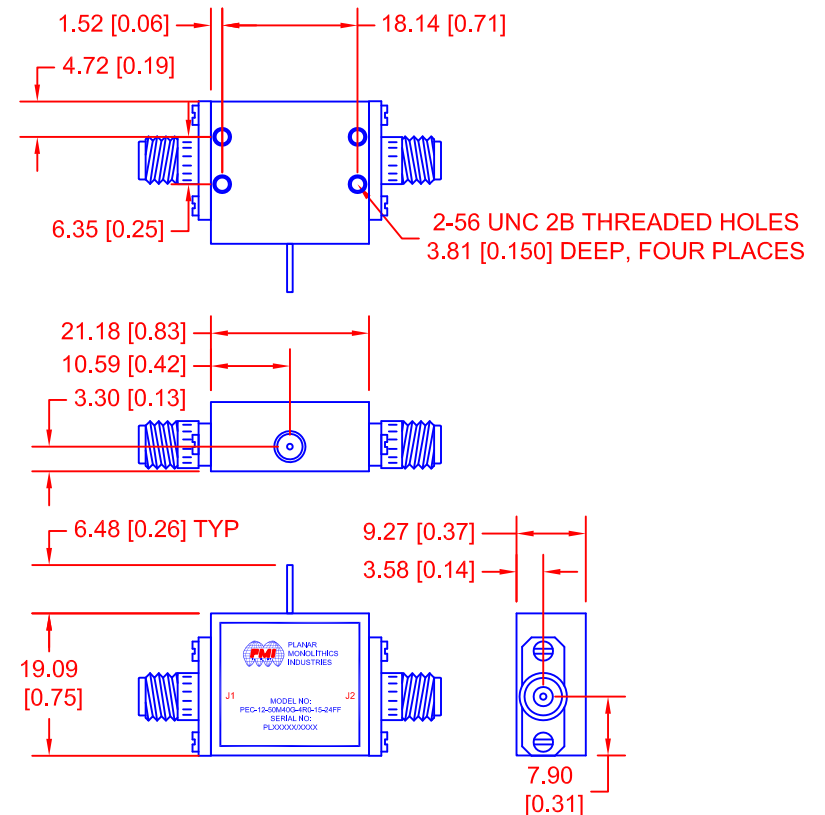
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	2/2/18	
	1	UPDATES	9/23/19	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>M. Berry</i>		06/09/18	PRODUCT FEATURE PEC-12-50M40G-4R0-15-24FF			
CHECKED <i>EW</i>		2/2/18	SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1
ISSUED			SCALE N:S	SHEET 1 OF 1		

ALL DIMENSIONS
ARE IN mm [INCH]
TOLERANCES:
X.XX \pm 0.508 [0.020]
X.XXX \pm 0.254 [0.010]