

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

- FREQUENCY RANGE: ----- 50 MHz TO 40 GHz
- GAIN: ----- +12 dB TYPICAL
- FLATNESS: ----- ± 2.5 dB MAXIMUM
- NOISE FIGURE: ----- 4.0 dB TYPICAL
- P1dB COMPRESSION: ----- +15 dBm MINIMUM
- VSWR (IN/OUT): ----- 2.5:1 MAXIMUM
- DC SUPPLY: ----- +15 V @ 250 mA MAXIMUM
- CONNECTORS: ----- 2.92 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.

- 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: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	06/03/16	

Technical drawings of the Planar Monolithic Industries PMA-12-200M40G-4R5-15-SFF module. The drawings include a top view, a side view, and a front view. Dimensions are provided in inches and millimeters.

Top View Dimensions:

- Overall width: 1.52 [0.06]
- Distance from left edge to first hole: 4.72 [0.19]
- Distance between holes: 6.35 [0.25]
- Distance from last hole to right edge: 18.14 [0.71]
- 2-56 UNC 2B THREADED HOLES 3.81 [0.150] DEEP, FOUR PLACES

Side View Dimensions:

- Overall height: 21.18 [0.83]
- Distance from top edge to first hole: 10.59 [0.42]
- Distance between holes: 3.30 [0.13]
- Distance from last hole to bottom edge: 6.48 [0.26] TYP

Front View Dimensions:

- Overall width: 9.27 [0.37]
- Distance from left edge to first hole: 3.58 [0.14]
- Distance from last hole to right edge: 7.90 [0.31]

Module Label:

PLANAR MONOLITHICS INDUSTRIES
 MODEL NO: PMA-12-200M40G-4R5-15-SFF
 SERIAL NO: PLXXXXXX000000

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



		TITLE		<div>PRODUCT FEATURE</div> <div>PEC-12-50M40G-4R0-15-SFF</div>		
APPROVALS	DATE					
DRAWN						
CHECKED						
ISSUED		SIZE	FSCM NO.	DWG NO.		REV
		A	05XQ0	PRELIMINARY		-
		SCALE	N:S		SHEET	1 OF 1