

DESCRIPTION

PMI MODEL: GMPA-8217-7 IS AN AMPLIFIER OPERATING OVER THE 8.5 TO 17.5 GHz FREQUENCY RANGE WITH SMALL SIGNAL GAIN FROM 6.0 TO 9.0 dB, AND A P1dB OUTPUT POWER OF +22 dBm.

SPECIFICATIONS

- FREQUENCY RANGE: 8.5 TO 17.5 GHz
- SMALL SIGNAL GAIN: 6.0 TO 9.0 dB (OVER TEMP)
- OUTPUT POWER: +22 dBm P1dB MINIMUM
- VSWR (IN/OUT): 2.0:1 MAXIMUM
- GAIN VS. FREQUENCY: ± 1 dB MAXIMUM
- IMPEDANCE: 50 Ω
- NOISE OUTPUT: -85 dBm/MHz MAXIMUM
- HARMONICS: -10 dBc @ +19 dBm INPUT
- SATURATED POWER: +28 dBm MAXIMUM
- DC SUPPLY: +15 VDC @ 700 mA
- CONNECTORS: SMA FEMALE
- SIZE: 39.62 mm x 25.40 mm x 15.24 mm
1.56" x 1.00" x 0.60"
- 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

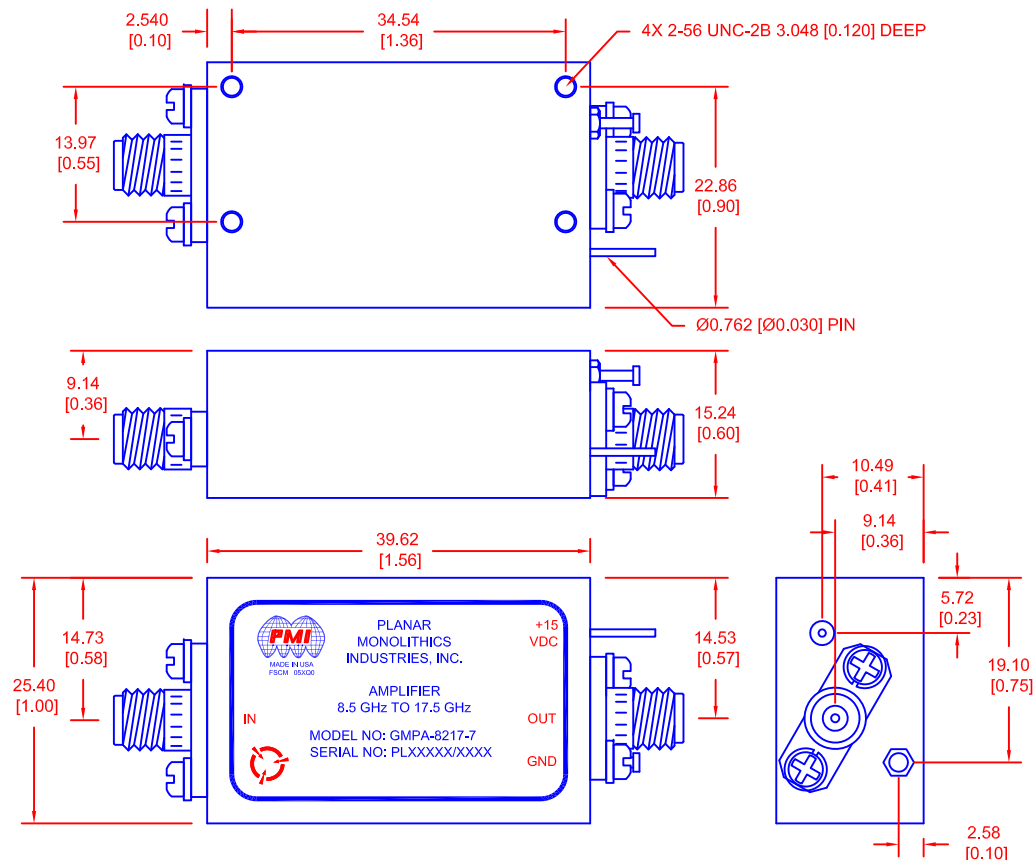
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ECN # 16-0056	04/19/16	
	B1	ECN # 17-0064	04/6/17	
	C1	ECN # 18-0172	08/3/18	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE		
DRAWN		M. Berry		4/19/16		PRODUCT FEATURE GMPA-8217-7
CHECKED						
ISSUED						
SIZE	A	FSCM NO.	05XQ0	DWG NO.	DWG000085-PMI	REV. C1
SCALE	N:S				SHEET	1 OF 1