

DESCRIPTION

PMI MODEL PEC-25-5D245D76-1R1-13-SFF IS A LOW NOISE AMPLIFIER THAT OPERATES OVER THE 5.24 TO 5.76GHz FREQUENCY RANGE. THIS MODEL PROVIDES 25dB OF GAIN AND HAS A OP1dB OF +13dBm. THE NOISE FIGURE IS 1.1dB AND THIS UNIT OPERATES OFF A SINGLE +15VDC SUPPLY.

SPECIFICATIONS

- FREQUENCY RANGE: 5.24 TO 5.76GHz
- GAIN: 24dB MIN. 28dB MAX. FROM 0 TO +60°C
- GAIN FLATNESS: +/−1.0dB MAX.
- NOISE FIGURE: 1.1dB MAX., 1.0dB TYP. @ 25°C
1.3dB MAX. @ +60°C
- POWER OUTPUT: +13dBm MIN. @ 1dB PT
- INPUT VSWR: 1.7:1 MAX., 1.5 TYP.
- 3RD ORDER ICP: +23dBm TYP.
- DC POWER: +15VDC, 150mA NOM
- SIZE: 0.350 x 0.960 x 1.500 INCHES
- CONNECTORS: SMA FEMALE

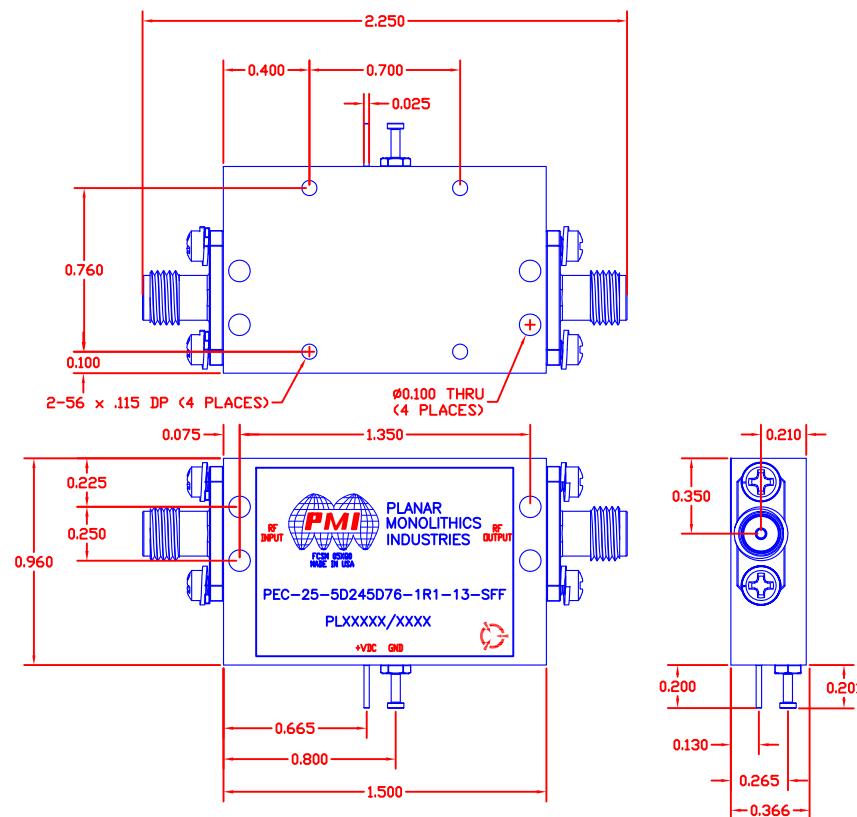
ENVIRONMENTAL RATINGS

- TEMPERATURE: 0°C TO +60°C (OPERATING)
−55°C TO +100°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	02/03/15	KM

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

APPROVALS		DATE		TITLE	
DRAWN	M.Berry	02/03/15		5.24 to 5.76GHz AMPLIFIER	PEC-25-5D245D76-1R1-13-SFF
CHECKED				SIZE	FSCM NO.
ISSUED				A	05XQ0
				DWG NO.	PRELIMINARY
				SCALE	N:S
				SHEET	1 OF 1