

DESCRIPTION

PMI MODEL PEC-14-127-8-12-SFF Rev. B IS A 13dB TO 17dB WIDE BAND FRONT END AMPLIFIER THAT OPERATES OVER THE FREQUENCY RANGE 1GHz TO 26.5GHz

SPECIFICATIONS

- FREQUENCY RANGE: 1GHz TO 26.5GHz
- GAIN: 13dBm TO 17dBm
- GAIN FLATNESS: ± 1.5 dB MAX
- NOISE FIGURE: 5.5dB MAX (1GHz TO 20GHz)
6.0dB MAX (20GHz TO 26.5GHz)
- INPUT 3rd ORDER INTERCEPT POINT: +3dBm MIN
- VSWR (IN/OUT): 2.20:1 MAX
- STABILITY: UNIT TO BE UNCONDITIONALLY STABLE UNDER ALL INPUT AND OUTPUT LOADS
- RF INPUT POWER (WITHOUT DAMAGE): 10dBm CW MIN (POWERED AND UNPOWERED)
- DC INPUT PIN: 0.030" TYP DC PIN
- RF CONNECTORS: SMA (F) REMOVABLE
- DC SUPPLY: +12VDC @ 225mA MAX
- FINISH: GOLD PLATED

NOTE:

- Gain, Flatness, Noise Figure, Input 3rd Order Intercept and VSWR are to be tested at room temperature.
- Gain is to roll off beyond the specified frequency range.

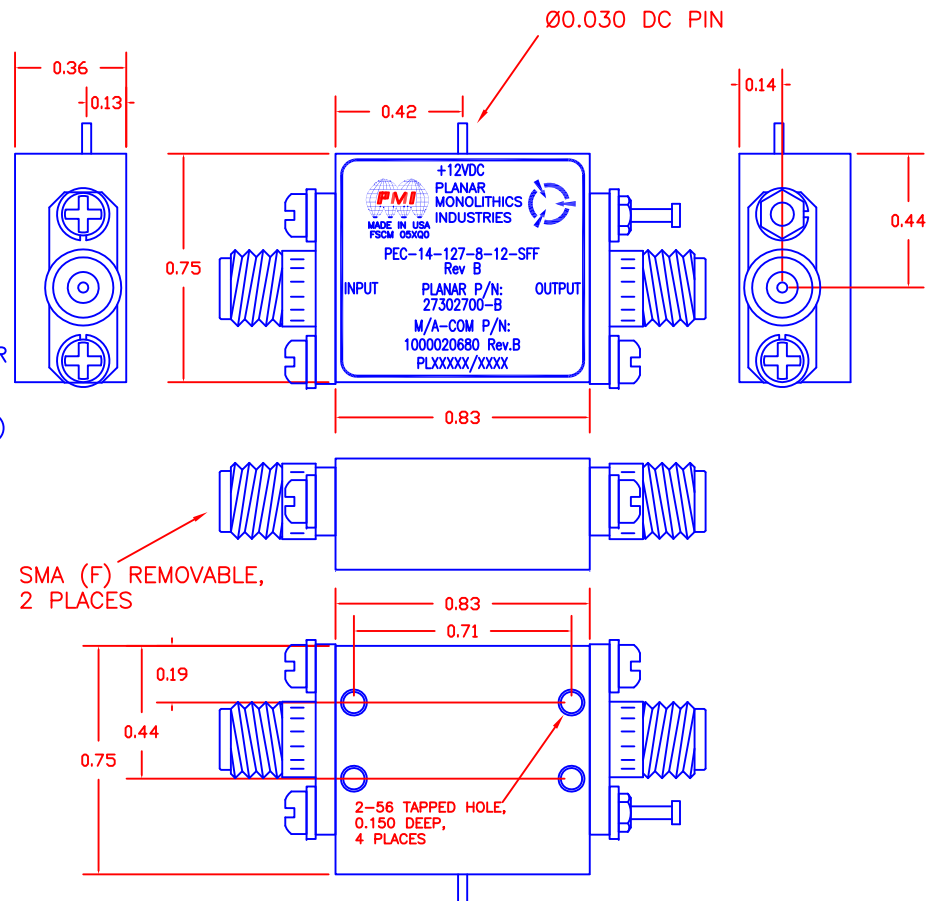
ENVIRONMENTAL RATINGS

- TEMPERATURE: -20°C TO +75°C (OPERATING)
-30°C TO +85°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

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

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A1	ORIGINAL RELEASE	04/18/12
	A2	ECN # 13-0166	09/24/13



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE	
DRAWN	afk	04/18/12		PRODUCT FEATURE	
CHECKED				PEC-14-127-8-12-SFF Rev B	
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27002709	
SCALE		N:S		SHEET	
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