

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A	ORIGINAL RELEASE	04/23/12

DESCRIPTION

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

SPECIFICATIONS

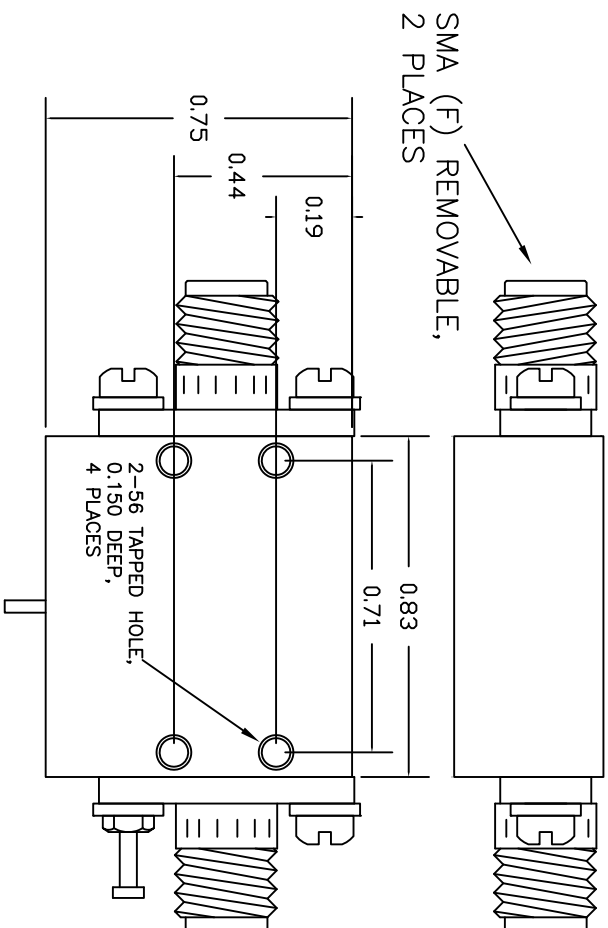
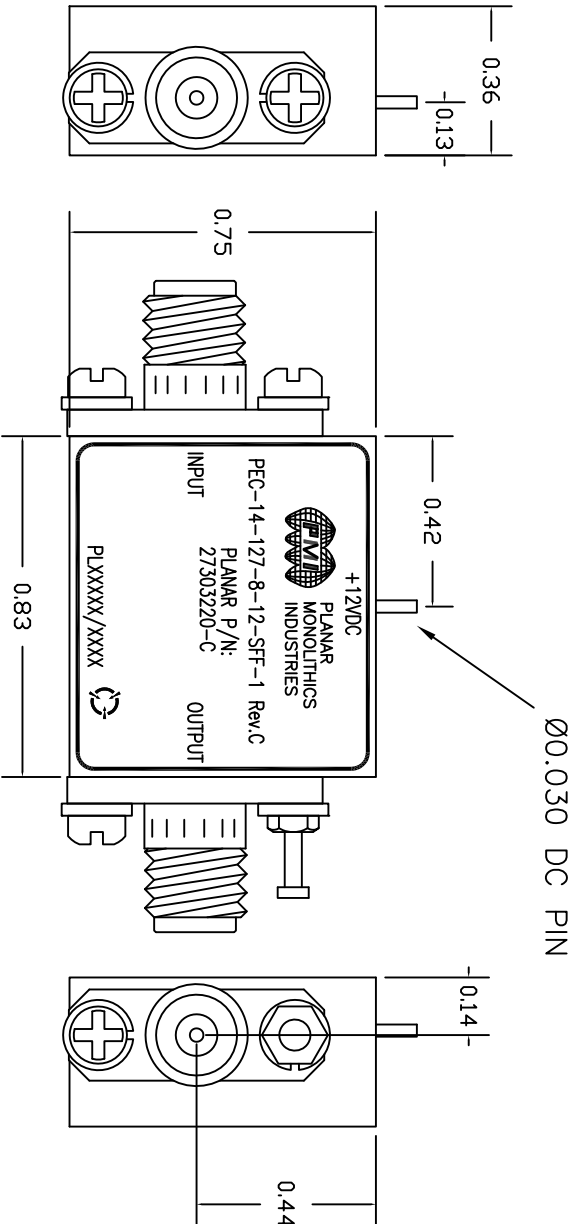
- FREQUENCY RANGE: 1GHz TO 26.5GHz
- GAIN: 13dBm TO 17dBm
- GAIN FLATNESS: ±1.5dB MAX
- NOISE FIGURE: 5.5dB MAX (1GHz TO 20GHz)
6.0dB MAX (20GHz TO 26.5GHz)
- INPUT 3rd ORDER INTERCEPT POINT: +3dBm MIN
- VSWR (IN/OUT): 2.20:1 MAX
- STABILITY: UNIT TO BE UNCONDITIONALLY STABLE UNDER ALL INPUT AND OUTPUT 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:

1. Gain, Flatness, Noise Figure, Input 3rd Order Intercept and VSWR are to be tested at room temperature.
2. 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



PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001:2000 CERTIFIED



		TITLE	
APPROVALS	DATE	PRODUCT FEATURE	
DRAWN yfk	04/23/12	PEC-14-127-8-12-SFF-1 Rev. C	
CHECKED		SIZE	FSCM NO.
ISSUED		A	05XQ0
		DWG NO.	27003224
		SCALE	N:S
		SHEET	1 OF 1

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