

DESCRIPTION

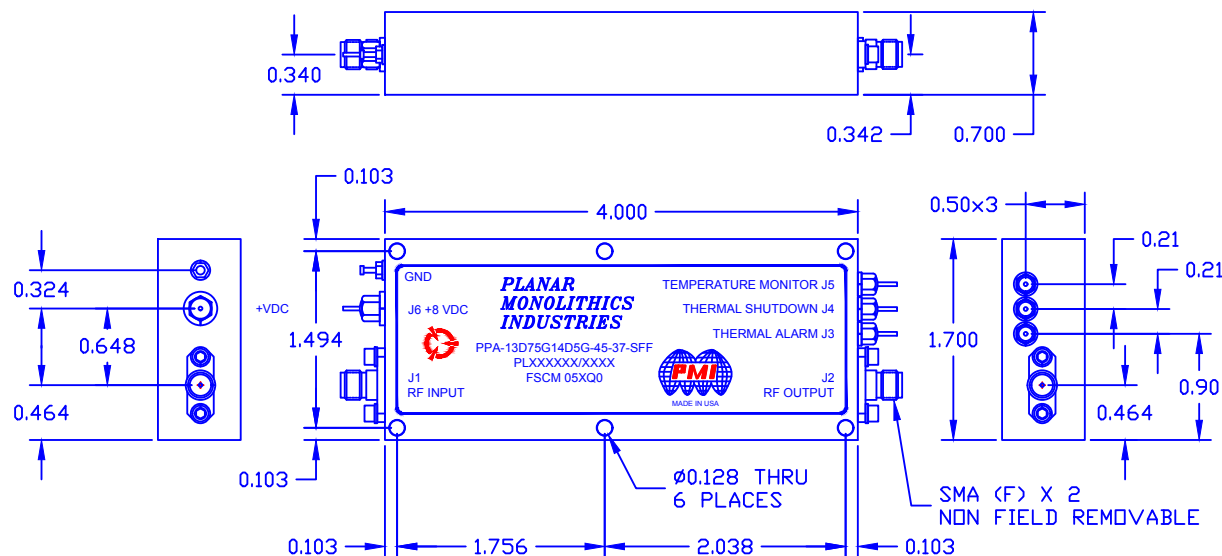
PMI MODEL NUMBER PPA-13D75G14D5G-45-37-7-SFF IS A POWER AMPLIFIER COVERING THE FREQUENCY RANGE OF 13.75 GHz TO 14.50 GHz WITH A P1dB OF 35.0 dBm AND A GAIN OF 45.0 dB.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	2/8/16	
	1	SIZE AND VOLTAGE EDIT	2/17/2016	
	2	P1dB, SIZE, VOLTAGE AND CURRENT EDIT	3/30/2016	
	3	ADD TEMPERATURE FEATURES	8/10/2016	
	4	REVISE POWER SUPPLY VOLTAGE	12/2/2016	

MECHANICAL OUTLINE (MAX SIZE SHOWN)

SPECIFICATIONS

- FREQUENCY RANGE: 13.75 GHz TO 14.50 GHz
- SMALL SIGNAL GAIN @ 25°C: 45.0 dB MIN
- NOISE FIGURE @ 25°C: 7.0 dB MAX
- P-1dB COMPRESSION POINT: 35.0 dBm MIN
- OUTPUT IP3: 44.0 dBm TYP
- GAIN FLATNESS: ±1.0 dB TYP
- GAIN VARIATION OVER TEMP.: ±2.0 dB MAX
- INPUT/OUTPUT VSWR: 1.30:1 MAX
- NON-HARMONICS SPURIOUS: -60 dB MAX
- DC VOLTAGE : +8 V to +9V
- DC CURRENT: 5 A TYP
- IN/OUT CONNECTORS: SMA (F) - NON FIELD REMOVABLE
- SIZE (L X W X H): MAX (4" X 1.70" X 0.7")
GOAL (3.25" X 1.70" X 0.7")



ENVIRONMENTAL RATINGS

- TEMPERATURE (OPERATING): -10 °C TO +60 °C
- TEMPERATURE (STORAGE): -55 °C TO +100 °C

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

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>C. Benjamin</i>		08/04/16	PRODUCT FEATURE PPA-13D75G14D5G-45-37-7-SFF		
CHECKED <i>HAF LAY</i>		08/04/16			
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
			SCALE N:S	SHEET 1 OF 1	