

DESCRIPTION

PMI MODEL: GMPA-1002 IS A L BAND POWER AMPLIFIER WHICH OPERATES IN THE 0.4 GHz TO 0.5 GHz FREQUENCY RANGE WITH A POWER OUTPUT OF OVER 5 WATTS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	8-9-04	JM
	2	UPDATE TO PMI STANDARDS	8-10-15	JM

SPECIFICATIONS

- FREQUENCY RANGE: _____ 0.4 GHz TO 0.5GHz
- NOISE FIGURE: _____ 8 dB MAX.
- SMALL SIGNAL GAIN: _____ 45 dB MAX. AND 40 dB MIN. OVER FREQUENCY AND TEMPERATURE
- GAIN VARIATION vs FREQUENCY: _____ ± 1.0 dB MAX. AT ROOM TEMPERATURE
- GAIN VARIATION vs TEMPERATURE: _____ ± 2.0 dB MAX. AT ANY FREQUENCY POINT
- POWER OUTPUT FOR Psat: _____ 37 dBm MIN.
- INTERMODULATION INTERCEPT POINT: _____ 45 dBm TYP.
- INPUT AND OUTPUT VSWR: _____ 2.0:1 MAX.
- RF SAFE INPUT POWER: _____ 20 mW MAX. CW
- PRIMARY POWER: _____ 14 TO 15.5 VDC @ 3.6 A MAX., 3.2 A TYP.

ENVIRONMENTAL RATINGS

- TEMPERATURE: _____
-54 °C TO +85 °C (OPERATING) AT MOUNTING SURFACE
-57 °C TO +125 °C (STORAGE)

PMI CONFIDENTIAL AND PROPRIETARY

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

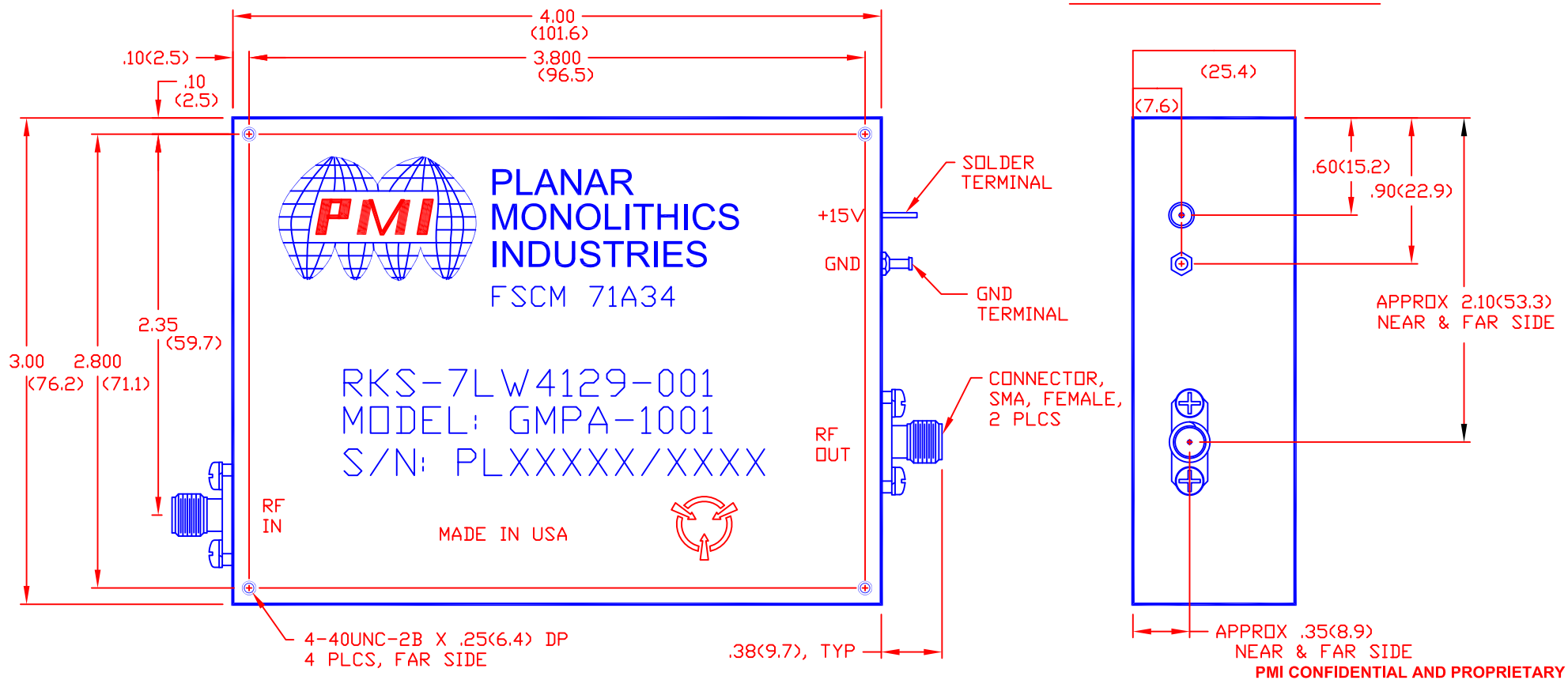
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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN JOHN KAO		8-8-04		PRODUCT FEATURE GMPA-1001 UHF BAND POWER AMPLIFIER			
CHECKED JM		8-9-04		SIZE A	FSCM NO. 71A34	DWG NO. DWG000002	REV. 2
ISSUED				SCALE N:S		SHEET 1 OF 2	

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MECHANICAL OUTLINE



NOTES:(UNLESS OTHERWISE SPECIFIED)

1. FINISH- ELECTROLESS NICKEL PLATE
.0005 TO .0007 THK PER
AMS 2404.
2. MARKING- APPROX AS SHOWN PER
MIL-STD-130.
3. WEIGHT - 350G (MAX)

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.030
X.XXX ±0.015

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A	71A34	DWG000002	2	GMPA-1001		
SCALE N:S				SHEET 2 OF 2		