

## DESCRIPTION

PMI MODEL DLVA GMDA-D0206-45 IS A CW IMMUNE DETECTOR LOG VIDEO AMPLIFIER (DLVA) THAT OPERATES BETWEEN THE 2000MHz TO 6000MHz FREQUENCY RANGE. IT HAS A DYNAMIC RANGE OF 45 dB, A LOG SLOPE OF 50mV/dB, AND A NOMINAL VIDEO BANDWIDTH OF 17MHz. FURTHERMORE IT HAS BEEN DESIGNED USING CUTTING EDGE TECHNOLOGY WHICH PROVIDES STUNNING PERFORMANCE AND RELIABILITY IN A COMPACT PACKAGE MAKING IT AN OPTIMUM SOLUTION FOR HIGH SPEED CHANNELIZED RECEIVER APPLICATIONS.

## SPECIFICATIONS

- FREQUENCY RANGE: 2.0GHz – 6.0GHz
- TSS -43dBm
- LOGGING RANGE -40 TO +5dBm
- LOG LINEARITY  $\pm 0.5\text{dB}$  @ BAND CENTER
- LOG SLOPE 50mV / dB NOMINAL
- CW IMMUNITY RANGE TSS TO -20dBm
- RISE TIME 20ns MAX (10% TO 90%)
- FALL TIME 500ns
- INPUT VSWR 2.0:1 MAX
- POWER SUPPLY +12  $\pm 1\text{VDC}$  @ 80mA MAX  
-12  $\pm 1\text{VDC}$  @ 80mA MAX
- MECHANICAL REQUIREMENTS SIZE: PER FIGURE.

## ENVIRONMENTAL RATINGS

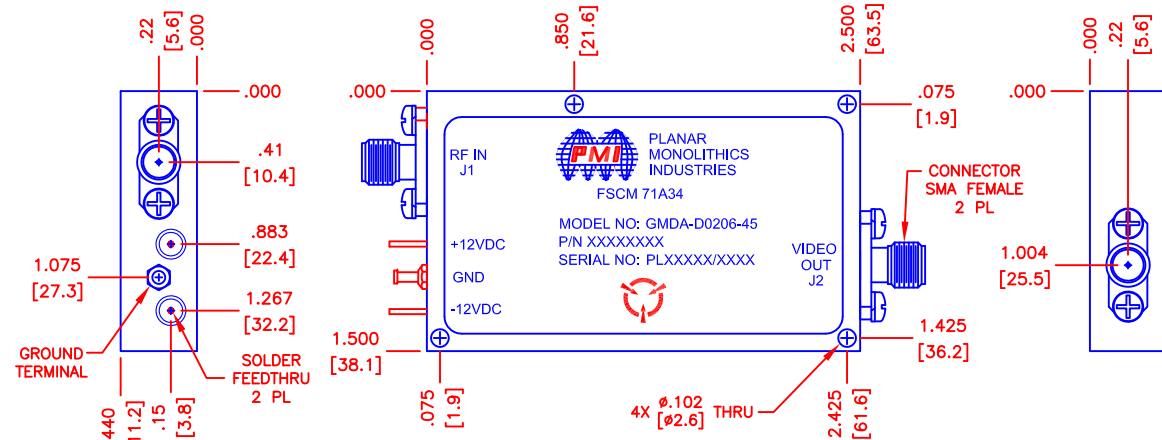
- TEMPERATURE: -40°C TO + 85°C (OPERATING)  
-57°C TO +85°C (STORAGE)

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX  $\pm 0.020$   
X.XXX  $\pm 0.010$

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	—	PRELIMINARY	9/15/14

## MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001:2008 CERTIFIED



		TITLE  PRODUCT FEATURE GMDA-D0206-45				
APPROVALS	DATE					
DRAWN <i>JS</i>	<i>9/15/14</i>					
CHECKED <i>JM</i>	<i>9/15/14</i>					
ISSUED		SIZE A	FSCM NO. 71A34	DWG NO.  PRELIMINARY	REV. —	
		SCALE N:S		SHEET 1	OF 1	