

## DESCRIPTION

PMI MODEL NO. DLVA-60M-70-25MV IS A DLVA (DETECTOR LOG VIDEO AMPLIFIER) THAT OPERATES OVER THE FREQUENCY RANGE 50 TO 70 MHz.

## SPECIFICATIONS

- OPERATING FREQUENCY: 60 MHz
- BANDWIDTH: 20 MHz
- DYNAMIC RANGE: 80 dB (-80 TO 0 dBm)
- LOGGING RANGE: -70 TO 0 dBm
- RISE TIME: 50 ns
- TRANSFER SLOPE: 25 mV  $\pm$  2 mV/dB NOMINAL
- LINEARITY:  $\pm$ 0.5 dB (AT ROOM TEMP)  
 $\pm$ 0.75 dB (ADDITIONAL OVER TEMP RANGE OF -30°C TO +71°C)
- VIDEO OUTPUT: 2 V INTO 93 OHMS (AT 0 dBm)
- LIMITED IF OUTPUT: 0 dBm NOMINAL
- DC POWER: +12 V @ 60 mA TYPICAL  
-12 V @ 160 mA TYPICAL
- DC OFFSET @ 25°C: 30  $\pm$  20 mV
- DC OFFSET VARIATION OVER TEMP:  $\pm$ 50 mV
- IF IMPEDANCE IN/OUT: 50 OHMS

NOTE: MATCHED CHARACTERISTICS - QTY OF ORDER TO BE EVEN NO. TO BE STORED AND USED AS A MATCHED PAIR.

## ENVIRONMENTAL RATINGS

- TEMPERATURE: -30 °C TO +71 °C (OPERATING)  
-55 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

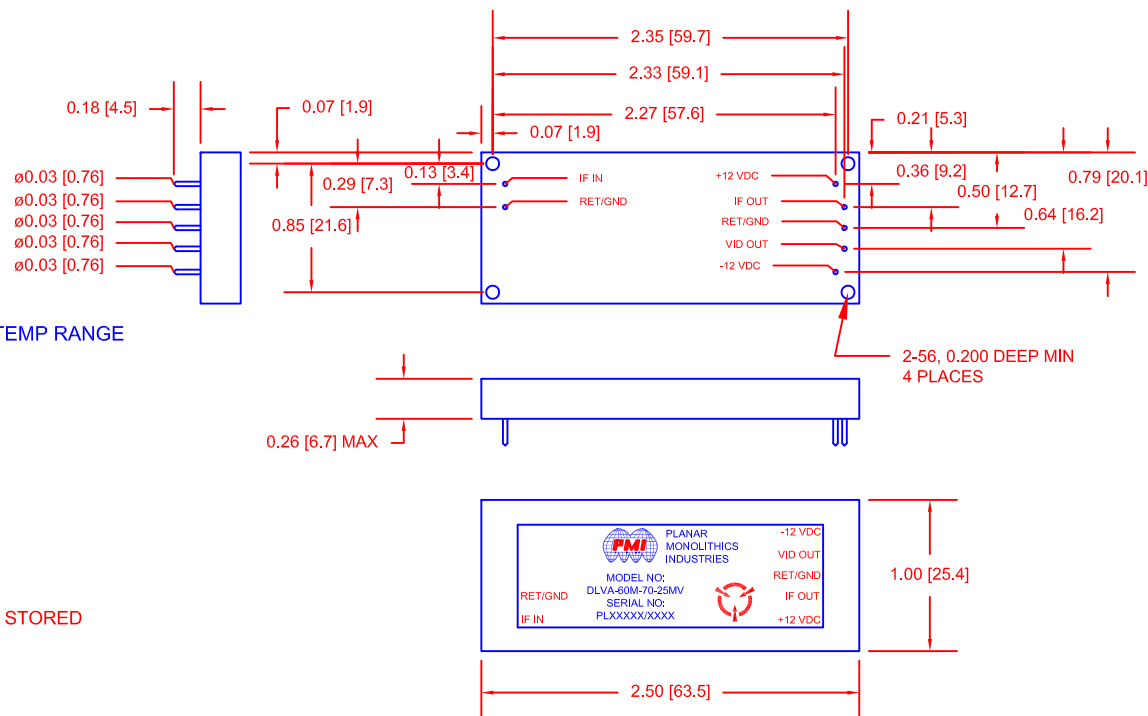
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/25/2018	

## MECHANICAL OUTLINE



## PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: [www.pmi-rf.com](http://www.pmi-rf.com), EMAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)

ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		7/25/18		PRODUCT FEATURE	
REDRAWN				DLVA-60M-70-25MV	
ISSUED					
SIZE	A	FSCM NO.	05XQ0	DWG NO.	PRELIMINARY
SCALE	N:S			SHEET	1 OF 1