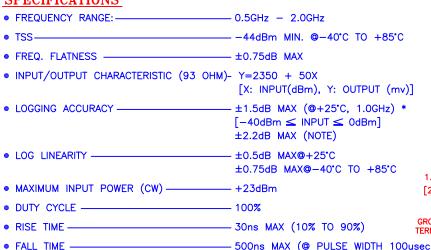
DESCRIPTION

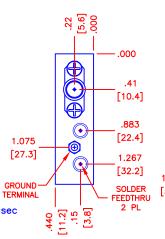
PMI MODEL DLVA HADA-D2001 IS A DETECTOR LOG VIDEO AMPLIFIER (DLVA) THAT OPERATES BETWEEN THE 500MHz TO 2000MHz FREQUENCY RANGE. IT HAS A DYNAMIC RANGE OF 40 dB, A LOG SLOPE OF 50mV/dB, AND A NOMINAL VIDEO BANDWIDTH OF 12MHz. FURTHERMORE IT HAS BEEN DESIGNED USING CUTTING EDGE TECHNOLOGY WHICH PROVIDES STUNNING PERFORMANCE AND RELIABILITY IN A COMPACT PACKAGE MAKING IT AN OPTIMUM SOLUTION FOR HIGH SPEED CHANNELIZED RECEIVER APPLICATIONS.

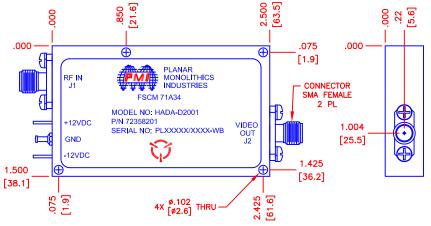
REVISIONS							
ZONE	REV.	DESCRIPTION	DATE	APPROVED			
	Α1	ORIGINAL RELEASE	10/01/13				
	B1	REVISED PER ECN 13-0178	10/09/13	JM			
	B2	ECN # 14-0155	10/09/13				
	В3	ECN # 15-0152	11/06/15				
	B4	ECN # 19-0035	2/15/19				

MECHANICAL OUTLINE

SPECIFICATIONS







PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC

4921 ROBERT J. MATHEWS PKWY SUITE 1 EL DORADO HILLS, CA 95762 USA TEL: 916-542-1401 FAX: 916-265-2597 WEBSITE: www.pmi-rf.com E-MAIL: sales@pmi-rf.com

ISO 9001 CERTIFIED



APPROVALS	DATE		
T. LUDDEN	10/01/13		D
CHECKED JM	10/11/18	SIZE	FSCM NO. 71A34
ISSUED			

PRODUCT FEATURE

OLVA HADA—D2001

INPUT) (90% TO 10%) DC OFFSET — - +95mV +55/-100mV (INPUT 50 OHMS TERMINATED) $(@-40^{\circ}C TO +85^{\circ}C)$ INPUT VSWR — - 2.5:1 MAX @+23dBm PROPAGATION DELAY -60n SEC MAX POWER SUPPLY--+12 ±1VDC @ 125mA MAX -12 ±1VDC @ 75mA MAX WARM UP TIME — 2 MINUTES MAX MECHANICAL REQUIREMENTS ———— SIZE: PER FIGURE. WEIGHT: 150 GRAMS MAX. FINISH NICKEL PLATING *NOTES: INCLUDES FREQ. FLATNESS. INPUT POWER, TEMPERATURE DEVIATION DEVIATION AND DEVIATION FOR DC OFFSET. THE TEST SHALL BE PERFORMED USING RG-316 (OR EQUIV.), 20cm, 93±0.5 OHMS TERMINATED. ENVIRONMENTAL RATINGS -57°C TO +85°C (STORAGE) HUMIDITY: ___ • SHOCK: -- 30G. MIL-STD-202F. METHOD 213 COND. C - 10 TO 55Hz (0.06DA), 55 TO 2000Hz (10G) MIL-STD-202F, METHOD 204 COND.C • VIBRATION: -

- 20,000 FEET, MIL-STD-202F, METHOD 105

- MIL-STD-202F, METHOD 107 COND. A1

ALL DIMENSIONS ARE IN INCHES

TOLERANCES:

X.XX ±0.020

X,XXX ±0.010

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

• ALTITUDE: -

• HEAT SHOCK: -

DESCRIPTION

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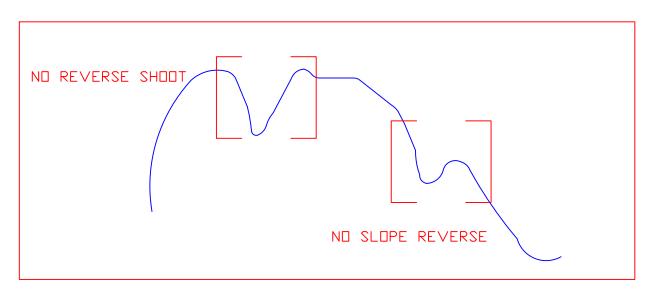


FIGURE 1: REVERSE SLOPE GRAPH

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APPROVALS DATE I. LUDDEN 10/01/13 CHECKED 10/11/18 JM.

PRODUCT FEATURE DLVA HADA-D2001

SIZE FSCM NO. **B4** 71A34 DWG000129 ISSUED SCALE N:S SHEET 2 OF 2

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