

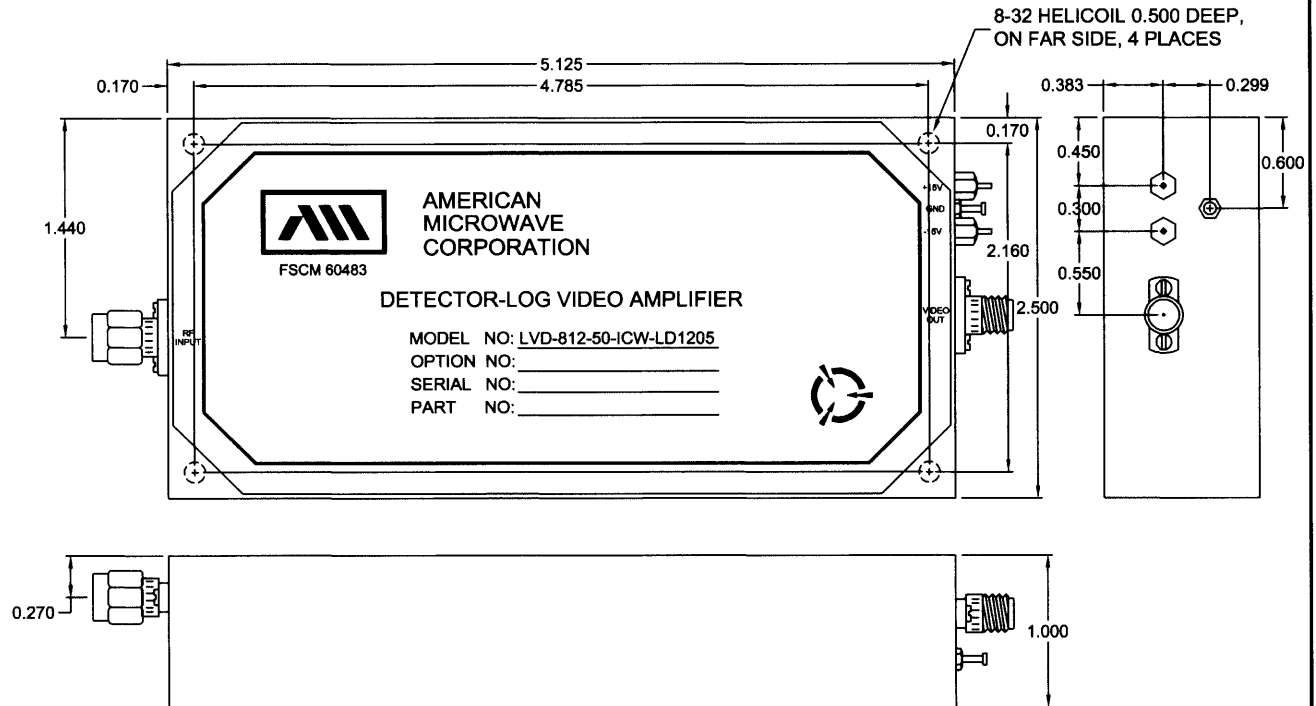
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 104072E	4/19/01	

DESCRIPTION:

AMC MODEL NO. LVD-812-50-ICW-LD1205 IS A DC-COUPLED DETECTOR-LOG VIDEO AMPLIFIER WITH INTERNAL CW IMMUNITY THAT IS OPTIMIZED FOR THE 8 TO 12 GHz FREQUENCY RANGE. THE LVD-812-50-ICW-LD1205 IS A FORM, FIT AND FUNCTIONAL REPLACEMENT FOR AERTECH/TRW PART NO. LD-1205. IT IS DESIGNED WITH CW IMMUNITY TO -10dBm CW INPUT, 50mV/dB OUTPUT AND CAN HANDLE PULSE WIDTHS OF 100ns.

SPECIFICATIONS:

- FREQUENCY: 8.0 GHz TO 12.0 GHz
- VSWR RF INPUT: 2.5 TYPICAL @ -23dBm
- FLATNESS: ±0.4 dB TYPICAL
- TSS: -43.5 dBm MINIMUM
- TSS +1dB to TSS +6dB: ±1.5dB MAXIMUM (-54°C TO 71°C)
- TSS +6dB to 0 dBm: ±1.0dB MAXIMUM (-54°C TO 71°C)
- LOGGING RANGE: -42 to 0 dBm
- LOG ACCURACY AT ONE FREQUENCY: ± 0.5 dB
- LOG SLOPE: 50 mV/dB NOMINAL
- NOMINAL VOLTAGE INTO 100 OHMS AT 0 dBm: 2300 mV
- POWER SUPPLY: ±15 VDC ±2% @ 100 mA MAXIMUM
- CONNECTORS (RF): 1 SMA MALE, 1 SMA FEMALE
- CONNECTORS (POWER): SOLDER PINS
- SIZE: 5.125" (L) x 2.50" (W) x 1.00" (H)



CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -20°C TO +60°C (OPERATING)
..... -65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
<i>S. TURNER</i>	4/19/01	PRODUCT FEATURE LVD-812-50-ICW-LD1205 8 TO 12 GHz DC-COUPLED DLVA WITH INTERNAL CW IMMUNITY	
CHECKED		SIZE	FSCM NO.
		A	60483
ISSUED		DWG NO.	100-6088
		SCALE	N:S
		SHEET	1 of 3