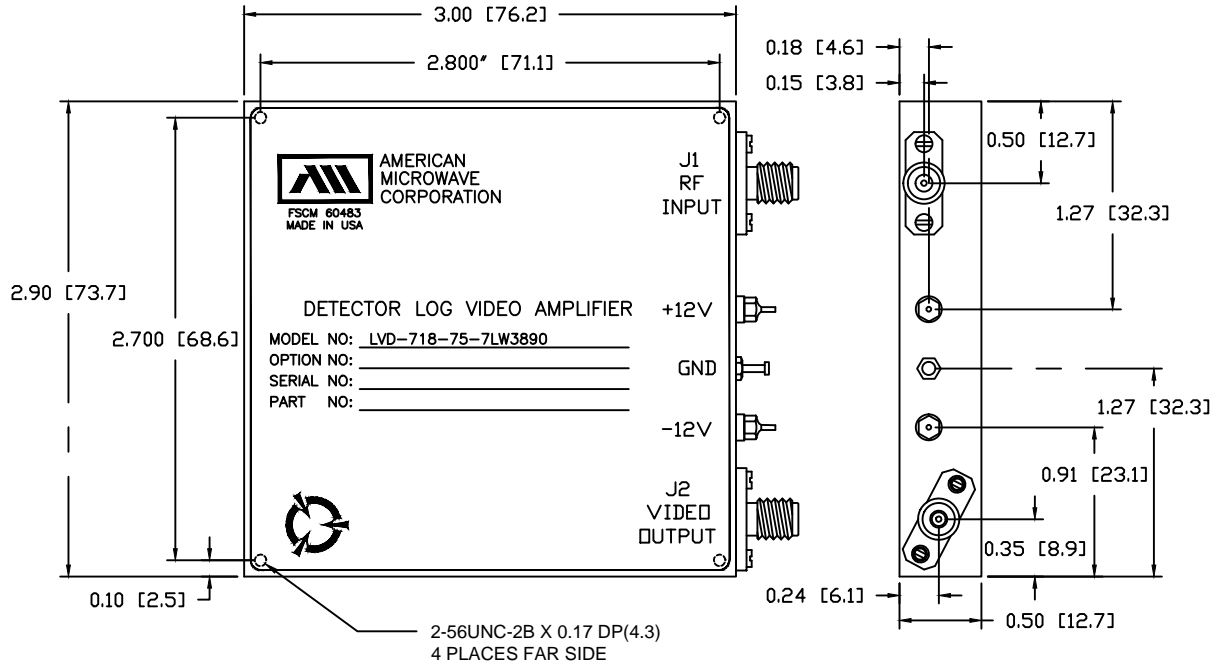


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	SEE ER# 048-19	8/1/2019	

SPECIFICATIONS:

- FREQUENCY RANGE: 7 – 18 GHz
- LOGGING RANGE: -70 TO +5 dBm
- TSS: -75 dBm MAX.
- LOG SLOPE: +24 mV/dB MIN.
+25 mV/dB TYP.
+26 mV/dB MAX.
- LOG LINEARITY: ±1 dB @ +25°C,
±1.2 dB @ -25°C TO +85°C
- FLATNESS: 100 mV MAX.
- MAX RF INPUT POWER: +23 dBm MIN. (NO DAMAGE)
- MAX OUTPUT VOLTAGE: +2.5 V MAX.
- INPUT VSWR: 2.5:1 MAX.
- RF INPUT IMPEDANCE: 50 OHM
- VIDEO LOAD IMPEDANCE: 75 OHM
- VIDEO RISE TIME: 30 nSec MAX.
- RECOVERY TIME: 1 uSec
- THROUGHPUT TIME: 30 nSec MAX.
- VIDEO BANDWIDTH: 10 MHz MAX.
- OFFSET VOLTAGE: 50 mV MAX.
- DC POWER: +12 V ±5% @ 300 mA MAX.
-12 V ±5% @ 150 mA MAX.



PRELIMINARY DESIGN

AMERICAN MICROWAVE CORPORATION

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sales@americanmic.com
 ISO 9001:2015 CERTIFIED



ENVIRONMENTAL RATINGS:

- TEMPERATURE: -25°C TO +85°C (OPERATING)
-30°C TO +85°C (STORAGE)
- ALTITUDE: N/A
- HUMIDITY: 100% RH
- VIBRATION: 10 mm p-p, 2 TO 7 Hz
1 G, 7 TO 50 Hz
- SHOCK: 15 G, 11±1 mSec. (6 DIRECTIONS)

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
 NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION
 * Units are designed to meet Environmental ratings but not tested. If Environmental Testing is required, please contact Sales Department.

ALL DIMENSIONS ARE IN INCHES (mm)
 TOLERANCES:
 X.XX ±0.01 (0.25)
 X.XXX ±0.02 (0.50)

APPROVALS		DATE	TITLE		
DRAWN RRA		8/1/19	PRODUCT FEATURE LVD-718-75-7LW3890		
ENG RRA	8/1/19	SIZE A	FSCM NO. 60483	DWG NO. 100-8974	REV. A
QAE		SCALE N:S		SHEET 1 of 1	