

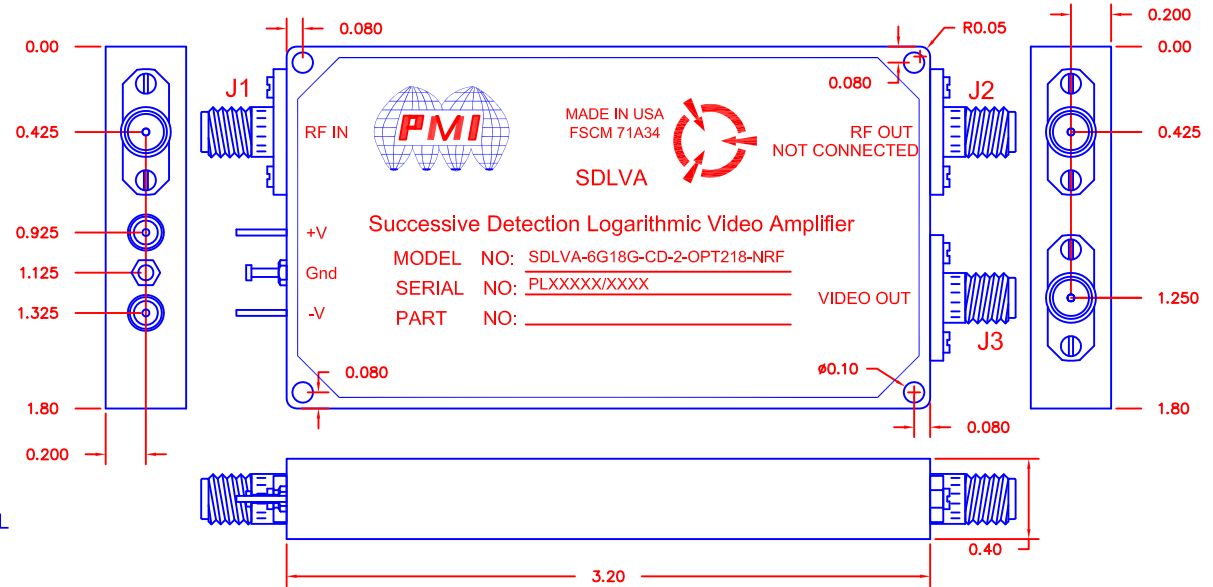
DESCRIPTION:

PMI MODEL NUMBER SDLVA-6G18G-CD-2-OPT218-NRF IS A SUCCESSIVE DETECTION LOGARITHMIC VIDEO AMPLIFIER (SDLVA) DESIGNED TO OPERATE OVER THE 2GHZ TO 18GHZ FREQUENCY RANGE. THIS MODEL IS DESIGNED FOR ULTRA HIGH SPEED APPLICATIONS WHILE MAINTAINING FLATNESS AND ACCURACY.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	7-13-16	<i>JM</i>
	B1	ECN # 19-0109	4-18-19	

SPECIFICATIONS:

- FREQUENCY: _____ 2.0 GHz TO 18.0 GHz
- FLATNESS: _____ ± 2.0dB MAXIMUM
- TSS: _____ -70 dB MINIMUM
- VSWR: _____ 2.0:1 (RF INPUT)
- POWER INPUT: _____ +17 dBm CW MAXIMUM
- RF OUT: _____ NOT CONNECTED
- LOG SLOPE: _____ 25 mV/dB (±10%) 50 Ω
- LOG RANGE: _____ -70 to +5 dBm
- LOG LINEARITY: _____ ±2.5 dB (-40°C - +85°C)
- PULSE RANGE: _____ 30 ns to CW
- RISE TIME: _____ 10 ns MAXIMUM, 6ns TYPICAL
- RECOVERY TIME: _____ 60 ns TYPICAL
- POWER SUPPLY: _____ +15V or +12V @ 350 mA NOMINAL
 _____ -15V or -12V @ 180 mA NOMINAL
- CONNECTORS: _____ SMA FEMALE CONNECTORS
- FINISH: _____ GOLD PLATED



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS:

- TEMPERATURE: _____ -40°C TO +85°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
- SALT FOG: _____ MIL-STD-202F, METHOD 107D COND. A
- FUNGUS: _____ MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE: _____ MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PLANAR MONOLITHICS INDUSTRIES, INC.

4921 ROBERT J. MATHEWS PKWY #1
 EL DORADO HILLS CA 95762
 TEL: 916-542-1401 FAX: 916-265-2597
 WEBSITE: www.pmi-rf.com
 E-MAIL: sales@pmi-rf.com
 ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
<i>JM</i>		7-13-16	PRODUCT FEATURE			
DRAWN			SDLVA-6G18G-CD-2-OPT218-NRF			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	71A34	27030481	B1
			SCALE	N:S		SHEET 1 OF 1