

DESCRIPTION:

PMI MODEL NUMBER SDLVA-0R61R1-65-CD-SFF-2 IS A SDLVA (SUCCESSIVE DETECTION LOGARITHMIC VIDEO AMPLIFIER) DESIGNED TO OPERATE OVER THE 600MHZ TO 1.1GHZ FREQUENCY RANGE. THIS MODEL OFFERS A LIMITED RF OUTPUT OF 0 TO +5DBM WITH AN INPUT OF -60DBM. THIS MODEL IS DESIGNED FOR ULTRA HIGH SPEED APPLICATIONS WHILE MAINTAINING FLATNESS AND ACCURACY.

SPECIFICATIONS:

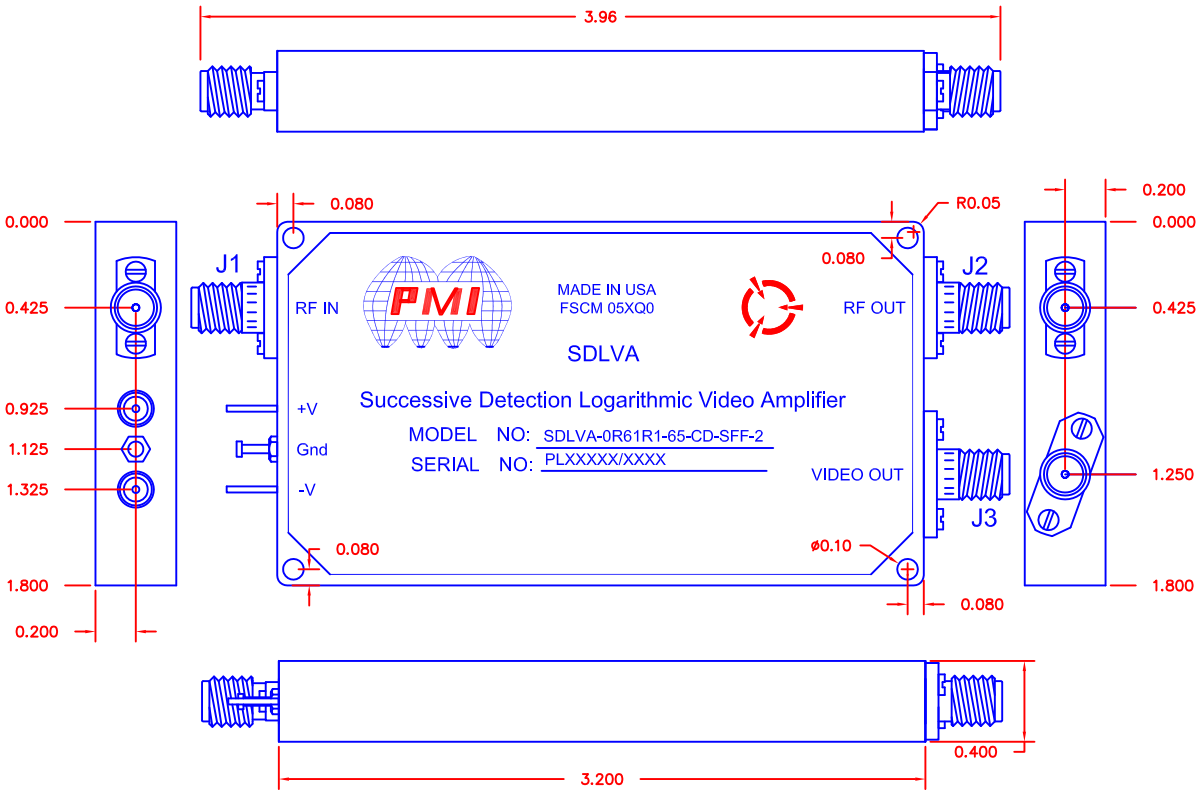
- FREQUENCY: 600MHz TO 1.1 GHz
- LIMITING OUTPUT LEVEL: 0 to +5dBm @ -60dBm INPUT
- RF OUTPUT LIMITING FLATNESS: ± 1.5dB MAX
- TSS: -68 dBm MAX
- VSWR(J1 & J2): 2.0:1
- POWER INPUT: +13 dBm CW MAX
- LOG SLOPE: 30 mV/dB Typ. ±1.5mV/dB Max
- LOG RANGE: -65 to 0 dBm
- LOG LINEARITY: ±1.2 dB (+25°C)
±2.0 dB (-20°C - +70°C)
- DC OFFSET 100mv Typ
- PULSE RANGE: 30 ns to CW
- RISE TIME: 30 ns MAX
- RECOVERY TIME: 80 ns MAX
- FALL TIME: 40ns MAX
- POWER SUPPLY: +15V or +12V @ 300 mA MAX
-15V or -12V @ 200 mA MAX
- CONNECTORS: SMA FEMALE CONNECTORS
- FINISH GOLD PLATED

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -20°C TO +70°C (OPERATING)
-55°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 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	09/05/14	



PMI CONFIDENTIAL & PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED

APPROVALS		DATE		TITLE			
DRAWN		09/05/14		PRODUCT FEATURE			
CHECKED				SDLVA-0R61R1-65-CD-SFF-2			
ISSUED				SIZE	FSCM NO.	OWG NO.	REV.
				A	05XQ0	27023684	1
				SCALE	N:S	SHEET	1 OF 1

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