

DESCRIPTION:

PMI MODEL NUMBER SDLVA-0R61R1-65-CD-SFF-1 IS A SDLVA (SUCCESSIVE DETECTION LOGARITHMIC VIDEO AMPLIFIER) DESIGNED TO OPERATE OVER THE 600MHz TO 1.1GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED FOR ULTRA HIGH SPEED APPLICATIONS WHILE MAINTAINING FLATNESS AND ACCURACY.

SPECIFICATIONS:

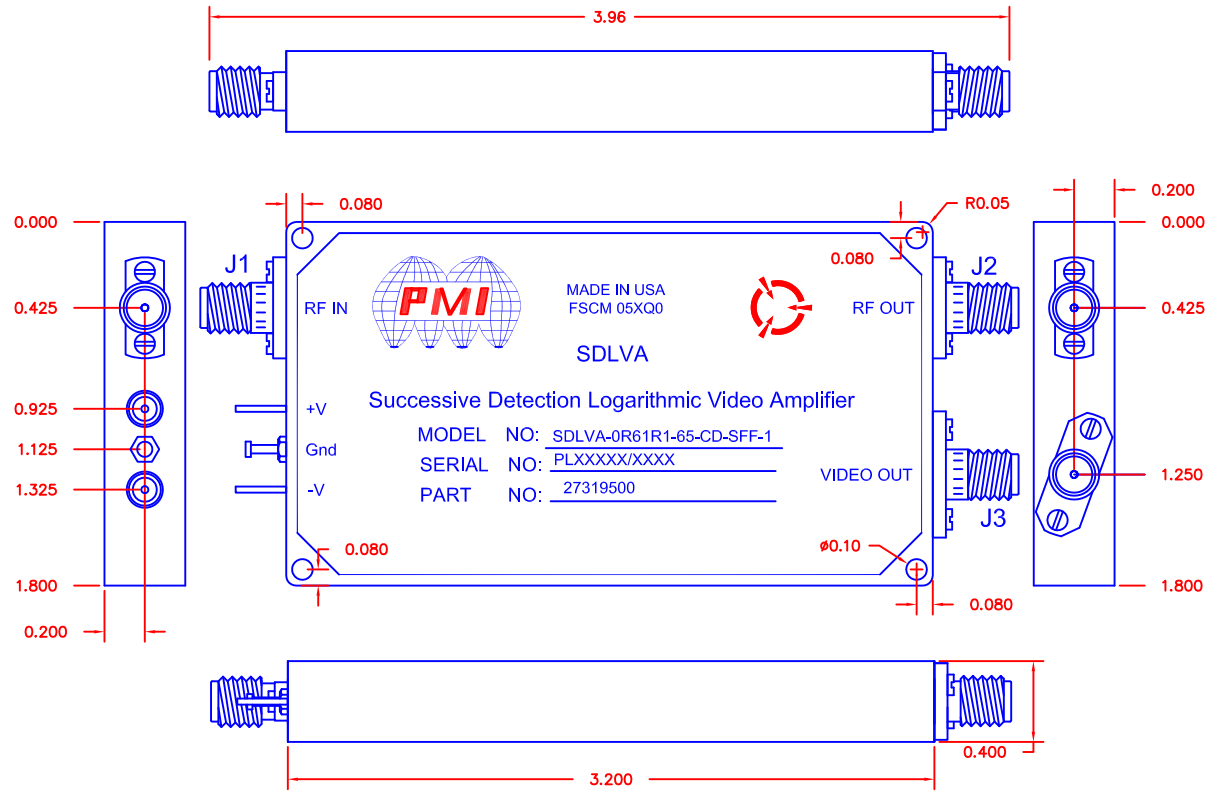
- FREQUENCY: 600MHz TO 1.1 GHz
- LIMITING OUTPUT LEVEL: 0 to +5dBm @ -55dBm INPUT
- RF OUTPUT LIMITING FLATNESS: ± 1.5dB MAX
- TSS: -68 dBm MAX
- VSWR(J1 & J2): 2.0:1
- POWER INPUT: +13 dBm CW MAX
- LOG SLOPE: 30 mV/dB Typ. ±1.5mV/dB Max
- LOG RANGE: 100 Ω LOAD
-65 to 0 dBm
- LOG LINEARITY: ±1.2 dB Max @ 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
	A1	ORIGINAL RELEASE	5/23/13	
	A2	ECN # 14-0029	2/15/14	
	A3	ECN # 14-0092	06/23/14	



PMI CONFIDENTIAL & PROPRIETARY

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APPROVALS		DATE	TITLE			REV.
DRAWN <i>K.M.</i>		1/17/13	PRODUCT FEATURE			
CHECKED <i>E.B.</i>		5/23/13	SDLVA-0R61R1-65-CD-SFF-1			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27019513	A3
			SCALE	N:S		SHEET 1 OF 1

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