

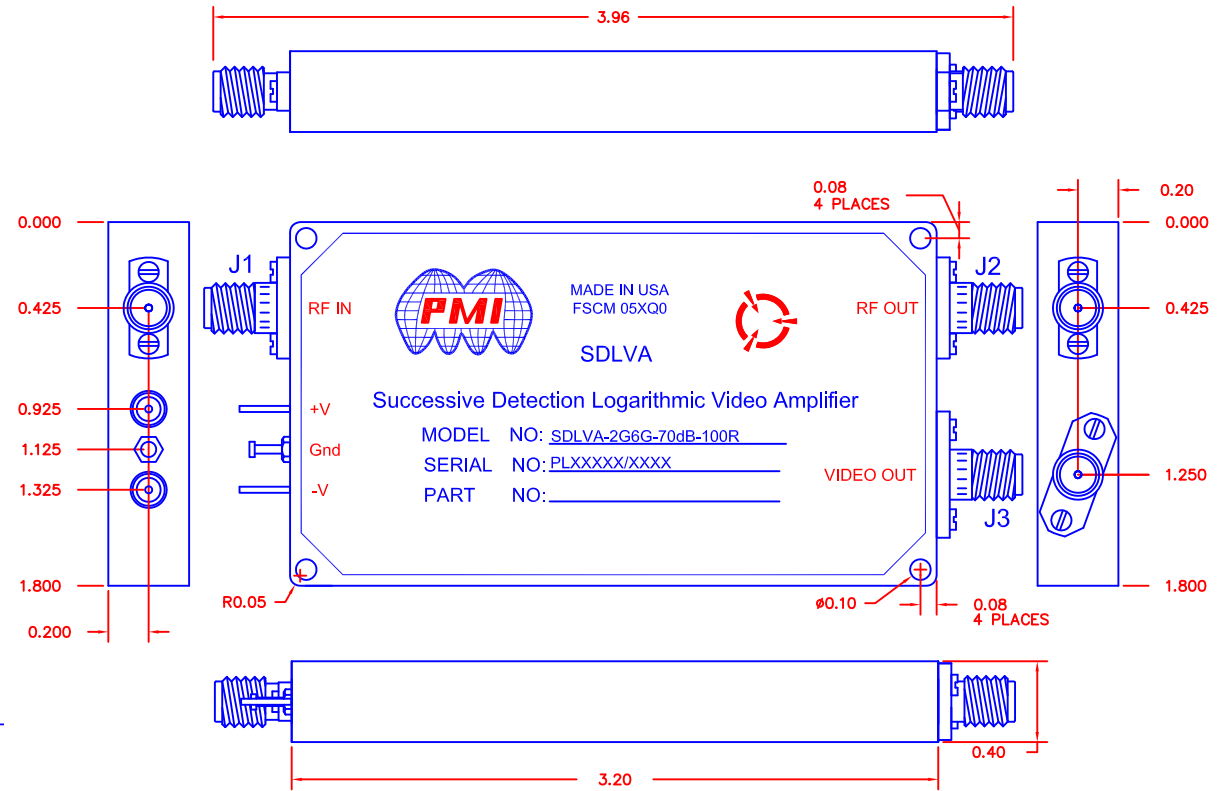
DESCRIPTION:

PMI MODEL NUMBER SDLVA-2G6G-70dB-100R IS A SUCCESSIVE DETECTION LOGARITHMIC VIDEO AMPLIFIER (SDLVA) DESIGNED TO OPERATE OVER THE 2 GHz TO 6 GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED FOR ULTRA HIGH SPEED APPLICATIONS WHILE MAINTAINING FLATNESS AND ACCURACY.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/2/15	

SPECIFICATIONS:

- FREQUENCY: _____ 2.0 GHz TO 6.0 GHz
- RF GAIN (SMALL SIGNAL): _____ 55 dB Typ
- FREQUENCY FLATNESS: _____ ± 2 dB Max
- TSS: _____ -73 dB Typ, -71 dB Max
- VSWR (50 Ohm): _____ 2.0:1 Max (RF IN, RF OUT)
- PSAT: _____ +13 dBm Typ
- POWER INPUT: _____ +17 dBm CW Max
- LOG SLOPE: _____ 25 mV/dB Typ. 100 Ω LOAD
- LOG RANGE: _____ -70 to 0 dBm
- LOG LINEARITY: _____ ±2.5 dB (-40°C TO +75°C)
- DC OFFSET: _____ 50 ± 50 mV
- PULSE RANGE: _____ 30 ns to CW
- RISE TIME: _____ 10 ns Max (5 ns Typ)
- RECOVERY TIME: _____ 60 ns Max (40 ns Typ)
- POWER SUPPLY: _____ +15V or +12V @ 350 mA NOMINAL
 _____ -15V or -12V @ 180 mA NOMINAL
- CONNECTORS: _____ SMA FEMALE CONNECTORS
- SIZE: _____ 3.2" X 1.8" X 0.4"
- FINISH: _____ GOLD



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS:

- TEMPERATURE: _____ -40°C TO +75°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.

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 <i>PJK</i>		7/2/15	PRODUCT FEATURE		
CHECKED			SDLVA-2G6G-70dB-100R		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 1