

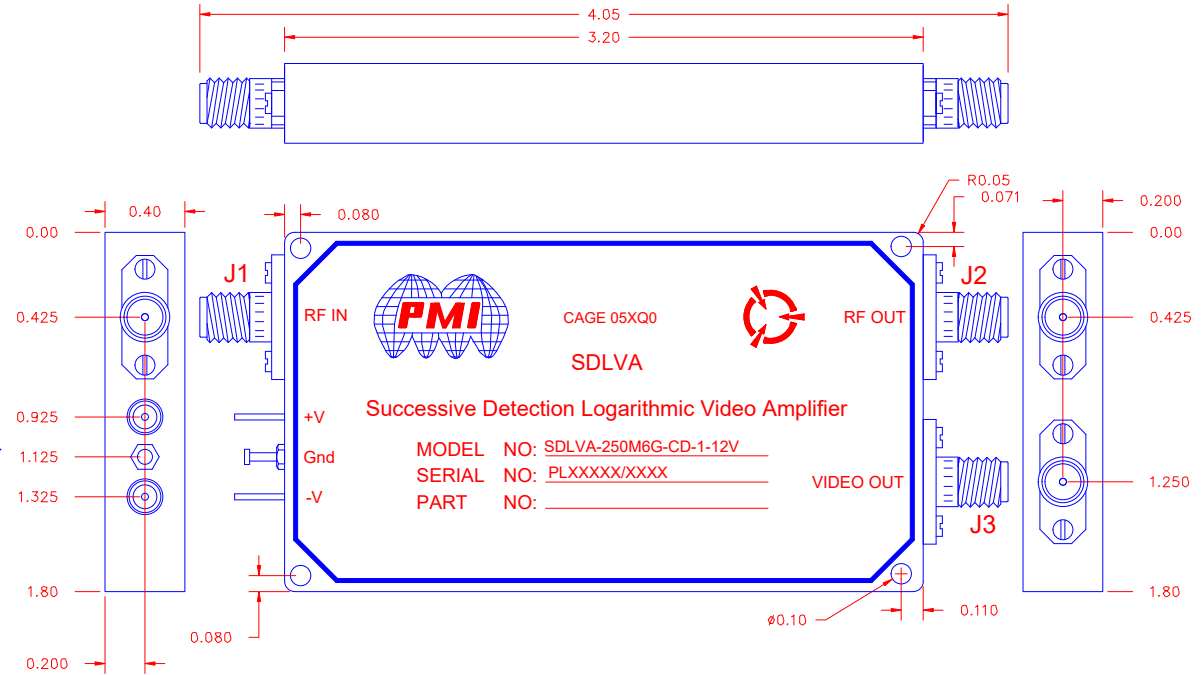
DESCRIPTION:

PMI MODEL NUMBER SDLVA-250M6G-CD-1-12V IS A SDLVA (SUCCESSIVE DETECTION LOGARITHMIC VIDEO AMPLIFIER) DESIGNED TO OPERATE OVER THE 250 MHz 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
	A1	ORIGINAL RELEASE	1-2-19	JM
	A2	ECN # 19-0154	9/3/19	

SPECIFICATIONS:

- FREQUENCY: 250 MHz to 6.0 GHz
- PULSE RANGE: 30 ns to CW
- INPUT POWER: +17 dBm CW Max
- FLATNESS: ±2.0 dB Max
- LOG LINEARITY: ±2.5 dB Max
- LOG RANGE: -70 to 0 dBm
- LOG SLOPE: 25 mV/dB Typ (±5 %) 50 Ω Load
- VSWR: 2.0:1 Max
- RF GAIN: 55 dB Typ
- RF LIMITING: >+5 dBm for -45 to 0 dBm Input Power
- RISE TIME: 10 ns Max.
- RECOVERY TIME: 60 ns Max
- TSS: -73 dBm Typ
- POWER SUPPLY: +12V to +15V @ 350 mA
-12V to -15V @ 180 mA
- CONNECTORS: SMA FEMALE CONNECTORS
- FINISH: GOLD PLATED



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

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

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN JM		1-2-19	PRODUCT FEATURE		
CHECKED			SDLVA-250M6G-CD-1-12V		
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27036101
			SCALE N:S		SHEET 1 OF 1
					REV. A2

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION