

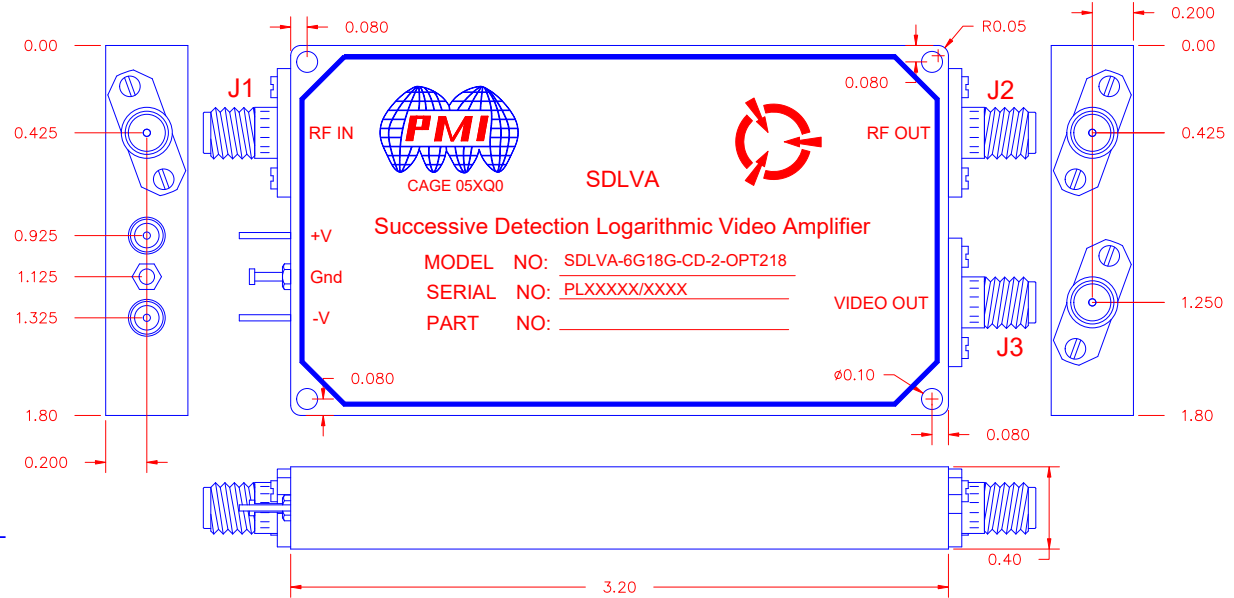
DESCRIPTION:

PMI MODEL NUMBER SDLVA-6G18G-CD-2-OPT218 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
	1	ORIGINAL RELEASE	11/20/14	
	A1	ECN #15-0032	3/17/15	PJK

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: _____ +13 dBm ±3 dB TYPICAL
- 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



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

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN		11/20/14	PRODUCT FEATURE		
CHECKED			SDLVA-6G18G-CD-2-OPT218		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	27023905
			SCALE	N:S	SHEET 1 OF 1

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION