

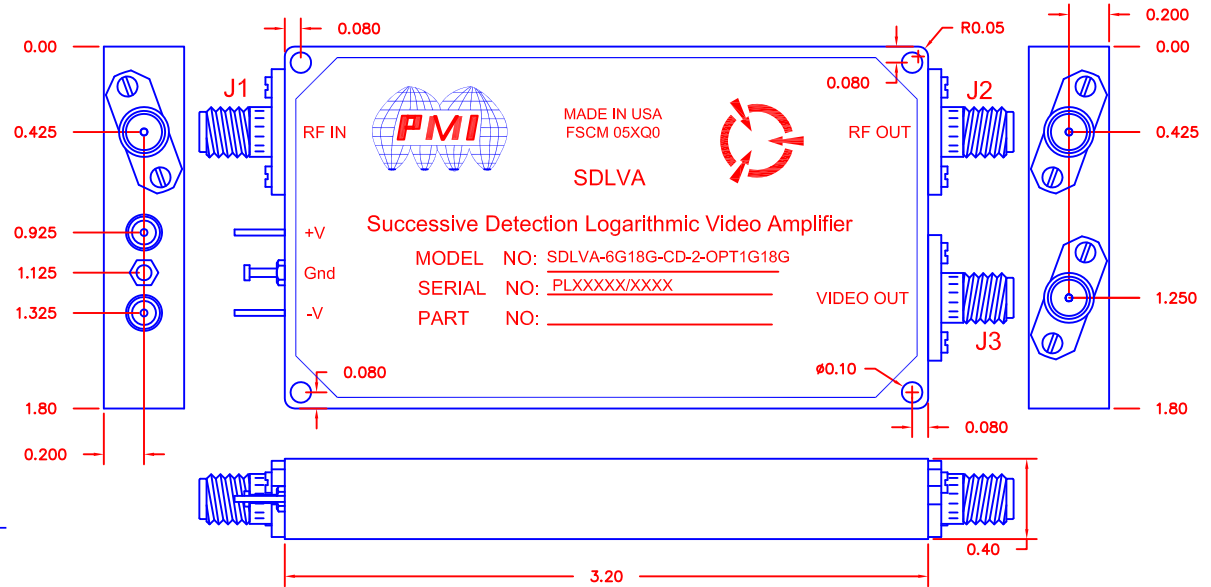
DESCRIPTION:

PMI MODEL NUMBER SDLVA-6G18G-CD-2-OPT1G18G IS A SUCCESSIVE DETECTION LOGARITHMIC VIDEO AMPLIFIER (SDLVA) DESIGNED TO OPERATE OVER THE 1.0 TO 18.0 GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED FOR ULTRA HIGH SPEED APPLICATIONS WHILE MAINTAINING FLATNESS AND ACCURACY.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/11/17	

SPECIFICATIONS:

- FREQUENCY: _____ 1.0 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



PMI CONFIDENTIAL AND PROPRIETARY

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

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APPROVALS		DATE	TITLE		
DRAWN <i>VJR</i>		11/20/14	PRODUCT FEATURE		
REDRAWN <i>EMF</i>		9/11/17	SDLVA-6G18G-CD-2-OPT1G18G		
ISSUED	SIZE	FSCM NO.	DWG NO.	REV.	
	A	05XQ0	PRELIMINARY	-	
SCALE N:S			SHEET 1 OF 1		