

DESCRIPTION:

PMI MODEL NUMBER SDLVA-6G18G-CD-1-OPT93-PTB IS A PORTABLE SDLVA (SUCCESSIVE DETECTION LOGARITHMIC VIDEO AMPLIFIER) DESIGNED TO OPERATE OVER THE 6GHz TO 18GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED FOR ULTRA HIGH SPEED APPLICATIONS WHILE MAINTAINING FLATNESS AND ACCURACY. THIS AMPLIFIER FEATURES AN ON/OFF SWITCH THAT IS LOCATED ON THE FRONT PANEL. THIS UNIT OPERATES ON 220 to 230 VAC AND IS SUPPLIED WITH A 6 FOOT STANDARD EU 2-PRONG STYLE POWER CORD

SPECIFICATIONS:

- FREQUENCY: 6.0 GHz TO 18.0 GHz
- FLATNESS: ± 2.0 dB MAXIMUM
- TSS: -70 dB MINIMUM
- VSWR: 2.0:1
- Psat: + 7dBm
- POWER INPUT: +17 dBm CW MAXIMUM
- LOG SLOPE: 25 mV/dB ($\pm 10\%$) 93 Ω
48 mV/dB ($\pm 10\%$) NO LOAD
- LOG RANGE: -70 to +5 dBm
- LOG LINEARITY: ± 1.5 dB (-40°C - +85°C)
- PULSE RANGE: 30 ns to CW
- RISE TIME: 10 ns (5 ns Typ)
- RECOVERY TIME: 60 ns (40 ns Typ)
- CONNECTORS: SMA FEMALE
- AC VOLTAGE SUPPLY: 220 - 230 VAC
*SUPPLIED WITH FUSE AND 6 FOOT STANDARD EU 2-PRONG STYLE POWER CORD
- SIZE: (L) 4.92" X (W) 4.92" X (H) 2.26"
- FINISH: BLUE POWDER COATED

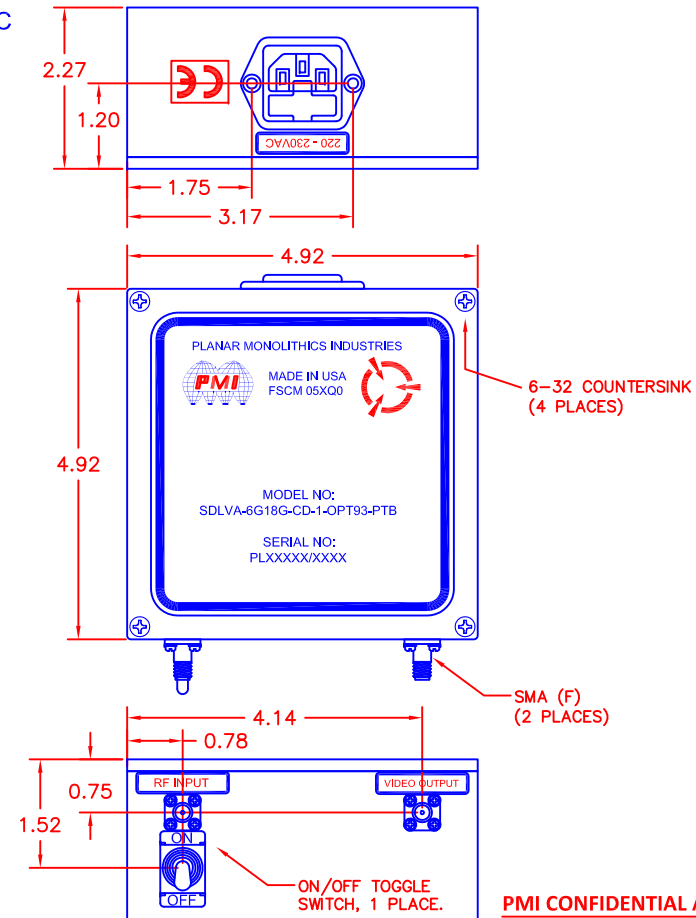
ENVIRONMENTAL RATINGS:

- 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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	07/19/17	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE		
DRAWN <i>B. Thomas</i>		03/04/16		PRODUCT FEATURE		
REDRAWN <i>EMF</i>		07/19/17		SDLVA-6G18G-CD-1-OPT93-PTB		
ISSUED				SIZE A	FSCM NO. 05XQ0	OWG NO. PRELIMINARY
				SCALE N:S	SHEET 1 OF 1	