

**DESCRIPTION:**

PMI MODEL NUMBER SDLVA-1G23G-54-SFF IS A 1 TO 23 GHz SDLVA FEATURING 54 dB DYNAMIC RANGE, 15 dBm POWER HANDLING, AND A 15 mV/dB OUTPUT SLOPE.

**SPECIFICATIONS:**

- FREQUENCY: 1 TO 23 GHz
- DYNAMIC RANGE: 54 dB TYP
- POWER HANDLING: +15 dBm MAX
- LOG VIDEO OUTPUT SLOPE: 15 mV/dB TYP
- LOG VIDEO OUTPUT VOLTAGE: 0.9 TO 1.8 V
- LOG VIDEO RISE TIME: 5 ns TYP @ 10 GHz
- LOG VIDEO FALL TIME: 7 ns TYP @ 10 GHz
- LOG LINEARITY OVER TEMP: ±1.5 dB TYP
- DC POWER SUPPLY: 12 VDC @ 100 mA TYP
- RF CONNECTORS: SMA (F)
- FINISH: GOLD PLATED

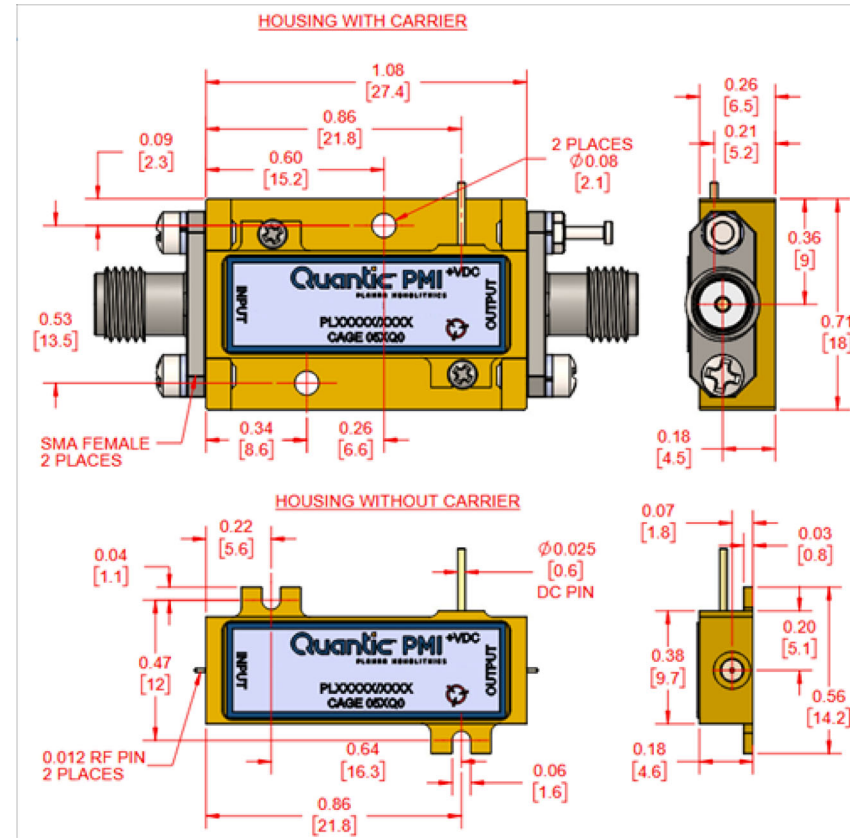
**ENVIRONMENTAL RATINGS**

- **TEMPERATURE:** -40°C TO +85°C (OPERATING)  
-55°C TO +125°C (STORAGE)
- **HUMIDITY:** MIL-STD-202, METHOD 103B COND. B
- **SHOCK:** MIL-STD-202, METHOD 213B COND. B
- **VIBRATION:** MIL-STD-202, METHOD 204D COND. B
- **ALTITUDE:** MIL-STD-202, METHOD 105C COND. B
- **TEMPERATURE CYCLE:** MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010  
WEIGHT: 2.75 oz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	03/11/26	



PMI CONFIDENTIAL AND PROPRIETARY

**PLANAR MONOLITHICS INDUSTRIES, INC.**

7309-A GROVE ROAD  
FREDERICK, MARYLAND 21704 USA  
TEL: 301-662-5019 FAX: 301-662-1731  
WEBSITE: [www.pmi-rf.com](http://www.pmi-rf.com)  
E-MAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)  
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
AG		03/11/26	PRODUCT FEATURE SDLVA-1G23G-54-SFF			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PRELIMINARY	-
			SCALE	N:S	SHEET	1 OF 1