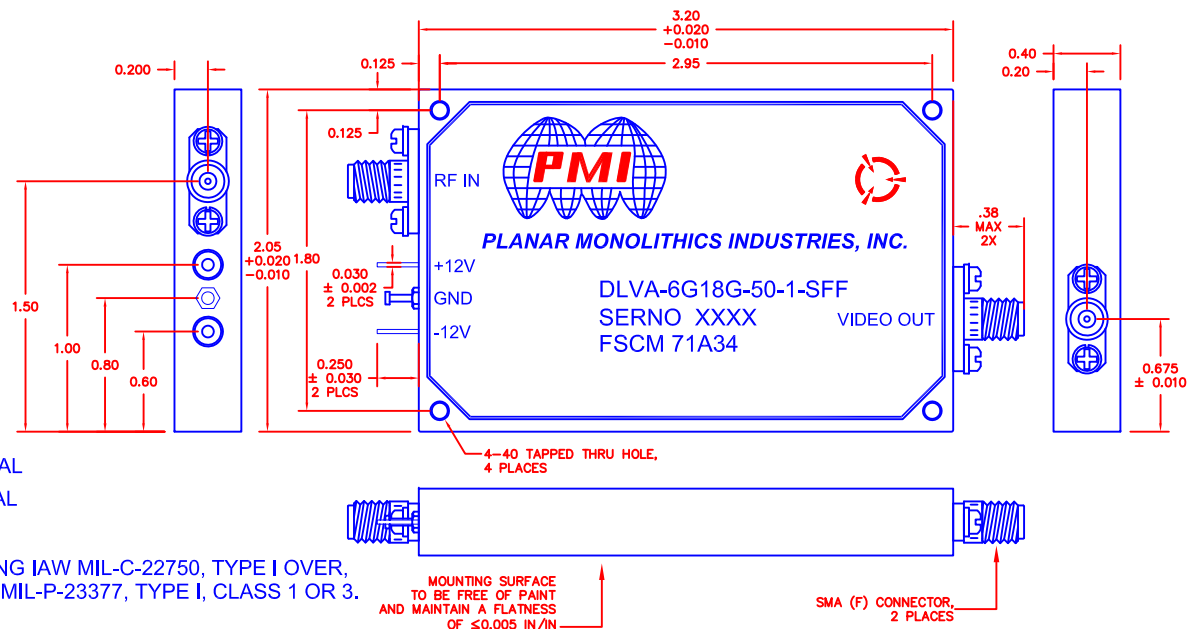


PMI MODEL NUMBER DLVA-6G18G-50-1-SFF IS A DLVA (DETECTOR LOGARITHMIC VIDEO AMPLIFIER) DESIGNED TO OPERATE OVER THE 6GHz TO 18GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED FOR ULTRA HIGH SPEED APPLICATIONS WHILE MAINTAINING FLATNESS AND ACCURACY.

- **FREQUENCY:** 6.0 GHz TO 18.0 GHz
- **TSS:** -73 dBm MINIMUM
- **VSWR:** 2.0:1 MAXIMUM
- **LOG RANGE:** -70dBm to 0 dBm
- **LOG SLOPE:** 25 mV/dB ($\pm 10\%$) @ 50 Ω LOAD
- **PULSE RANGE:** 100 ns to CW
- **PULSE RISE TIME (10% TO 90%)** 10 ns
- **RECOVERY TIME:** < 60 ns @ -10 dBm
- **PROPAGATION DELAY TIME:** < 15 ns

- POWER SUPPLY: +12VDC ±6% @ 300 mA NOMINAL
..... -12VDC ±6% @ 150 mA NOMINAL
- CONNECTORS: SMA FEMALE CONNECTORS
- FINISH: BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER,
..... EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.
- MOUNTING SURFACE: GOLD PLATED



- **TEMPERATURE:** _____ -55°C TO + 75°C (OPERATING)
 -65°C TO +85°C (STORAGE)
- **HUMIDITY:** _____ 95% CONDENSING
- **SHOCK:** _____ 10 G, 11 MS, 3 AXIS
- **VIBRATION:** _____ 4.34 G RMS
- **ALTITUDE:** _____ SL TO 65,000 FEET
- **TEMPERATURE CYCLE:** _____ MIL-STD-202F, METHOD 107D COND. A

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com



		TITLE				PRODUCT FEATURE DLVA-6G18G-50-1-SFF	
APPROVALS	DATE						
DRAWN <i>JS</i>	<i>9/15/14</i>						
CHECKED <i>JM</i>	<i>9/15/14</i>	SIZE A	FSCM NO. 71A34	DWG NO. PRELIMINARY	REV. —		
ISSUED		SCALE N:S			SHEET 1 OF 1		

TOLERANCES:
ALL DIMENSIONS ARE IN INCHES

X.XX ± 0.020
X.XXX ± 0.010

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION