

DESCRIPTION

PMI MODEL: DLVA-8G10G-75-50-SFF IS A 8.0GHz TO 10.0GHz DETECTOR LOG VIDEO AMPLIFIER. ITS DYNAMIC RANGE IS -75dBm TO +0dBm. ITS LOG LINEARITY IS ± 1.8 dB AND ITS LOG SLOPE IS 50 ± 4 mV/dB.

SPECIFICATIONS

- FREQUENCY: ----- 8GHz TO 10GHz
- DYNAMIC RANGE: ----- -75dBm TO +0dBm
- FREQUENCY FLATNESS: ----- ± 1.2 dB
- TSS.: ----- -78dBm
- LOG LINEARITY: ----- ± 1.8 dB
- LOG SLOPE: ----- 50 ± 4 mV/dB
- OUTPUT DC OFFSET: ----- 50 ± 50 mV
- RISE TIME: ----- 30ns
- FALL TIME: ----- 150ns
- RECOVERY TIME: ----- 500 ns FOR 10.0 μ s PW
- SUPPLY: ----- +15V 350mA
-15V 100mA
- FINISH: ----- ELECTROLESS NICKEL PLATE
.0005 TO .0007 THK PER
AMS 2404.

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -54 °C TO +95 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
Maintain RH 95 \pm 4% @ 63°C (exceptively allowed
RF 85% when temperature-down transition time.)
The rate of temperature change : Above
8°C/hours
Time : Min.10 period (1period = 24
hours),Min.1time test every 5 period
- SHOCK: ----- MIL-STD-202, METHOD 213, COND J
20G (DURING OPERATION) & 125g, 6 ms
saw tooth type, 3-Axis (No operation)
- VIBRATION: ----- MIL-STD-202, METHOD 214, COND A
12G 30 MIN, X,Y,Z-AXIS(DURING OPERATION)
& 20G 30min, X, Y, Z-AXIS (During
OPERATION)
- ALTITUDE: ----- MIL-STD-202, METHOD 105C, COND B
200Km (8.47e-7 hPa or 6.353e-7 torr/DURING
OPERATION)
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

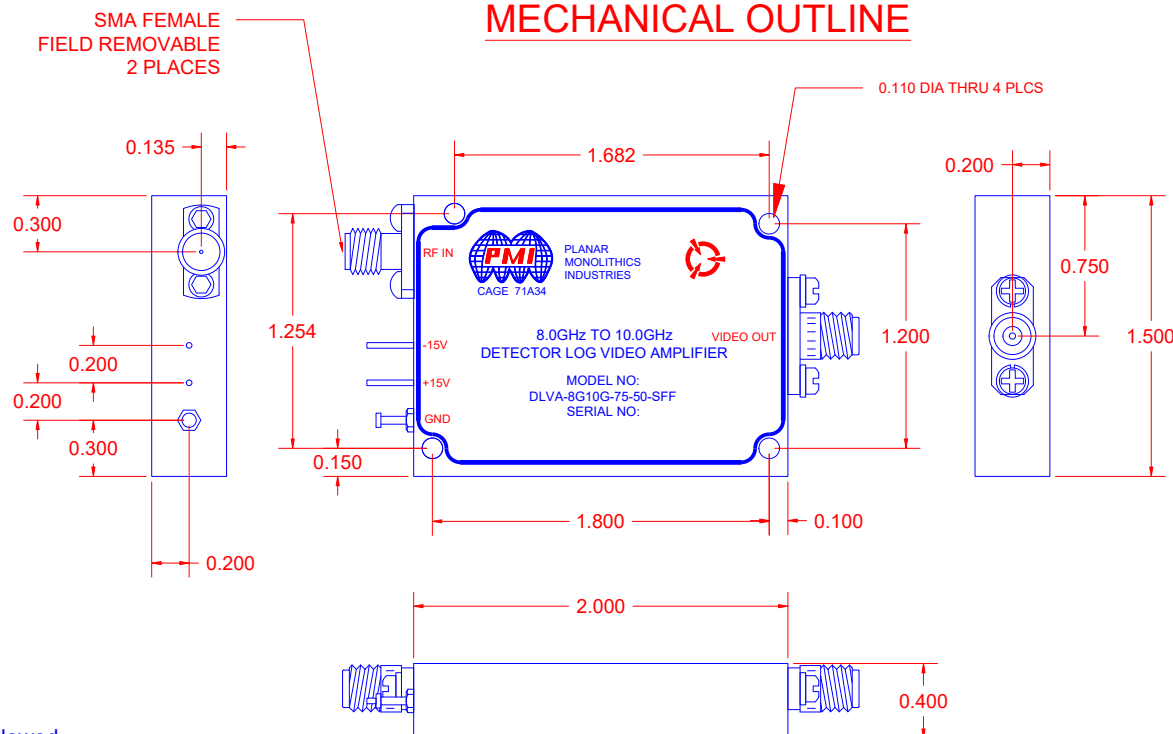
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	06/29/2016	
	1	UPDATED SPECIFICATIONS	09/19/2016	
	2	RELOCATE MOUNTING HOLE	10/26/2016	
	A1	ECN # 17-0134	6/15/2017	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE		
DRAWN		CHECKED		PRODUCT FEATURE		
ISSUED				8GHz TO 10GHz DLVA		
				DLVA-8G10G-75-50-SFF		
				SIZE	FSCM NO.	REV.
				A	71A34	A1
				DWG NO.	27031110	
				SCALE	N:S	SHEET
						1 OF 1