

PMI MODEL DLVA-26-60-30MV IS A DETECTOR LOG VIDEO AMPLIFIER (DLVA) THAT IS A FORM, FIT, AND FUNCTION REPLACEMENT FOR THE LORAL 342098. THIS DLVA OPERATES BETWEEN THE 2.0GHz TO 6.0GHz FREQUENCY RANGE. IT HAS A DYNAMIC RANGE OF 60 dB, A LOG SLOPE OF 30mV/dB, AND A NOMINAL VIDEO BANDWIDTH OF 8MHz. FURTHERMORE IT HAS BEEN DESIGNED USING CUTTING EDGE TECHNOLOGY WHICH PROVIDES STUNNING PERFORMANCE AND RELIABILITY IN A COMPACT PACKAGE MAKING IT AN OPTIMUM SOLUTION FOR HIGH SPEED CHANNELIZED RECEIVER APPLICATIONS.

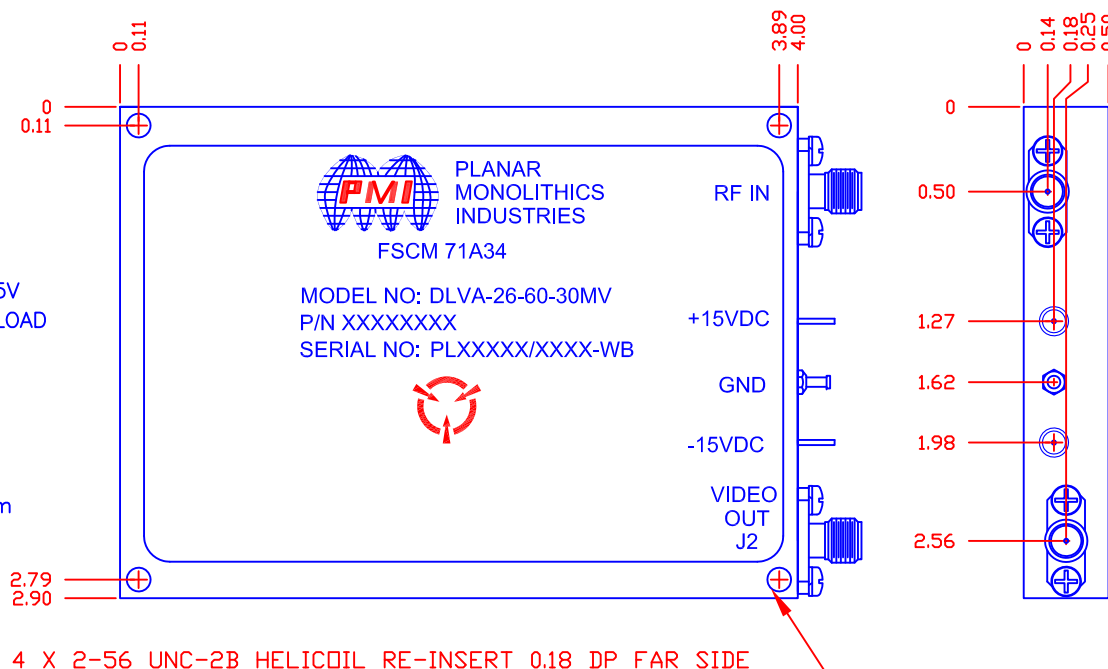
- FREQUENCY RANGE: ————— 2.0 GHz – 6.0GHz
- TSS ————— -43dBm MIN
- LOGARTHMIC RANGE ————— -40 TO +20 dBm
- LOG ACCURACY/LINEARITY ————— ± 1 dB MAX
 ± 0.75 dB MAX@-40°C TO +85°C
- LOGARITHMIC SLOPE ————— 30mV/dB INTO 100 ohm
- OUTPUT VOLTAGE ————— 0.7V WITH -40 dBm AND 2.5V
WITH + 20 dBm; 100 ohm LOAD
- FREQUENCY FLATNESS ————— ± 1.0 dB
- RISE TIME ————— 40nS MAX
- SETTLING TIME ————— 50 nS to 0.5dB
- RECOVERY TIME ————— 500 nS; 20 dBm TO -40dBm
- VIDEO BANDWIDTH ————— DC-8MHz
- INPUT VSWR ————— 2.0:1
- MAXIMUM SOURCE VSWR ————— 2.5:1 MAX
- MAXIMUM INPUT POWER ————— +27 dBm
- STABILITY ————— UNCONDITIONAL UP TO 15 FT OF RG 180 B/U
- POWER ————— +15VDC,175ma; -15VDC,175ma
- RF AND VIDEO CONNECTORS ————— SMA F INPUT AND OUTPUT

- * **TEMPERATURE:** _____ -0°C TO + 70°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
- * **TEMPERATURE CYCLE:** _____ MIL-STD-202F, METHOD 107D COND. A

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/10/19	JM

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS DATE		TITLE PRODUCT FEATURE DLVA-26-60-30MV							
						DRAWN		REV	
								7/19/19	
CHECKED		SIZE	FSCM NO.	DWG NO.	REV				
		A	71A34	PRELIMINARY	A1				
ISSUED		SCALE	N:S		SHEET 1 OF 1				