

Power Management

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DC634 - LT1930A Evaluation Kit

FEATURES	DESCRIPTION	PACKAGING	ORDER INFO	SIMULATE	
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FEATURES

DC634 - LT1930A Evaluation Kit
Disclaimer: Linear Technology cannot assume responsibility for use of any circuitry other than circuitry entirely embodied in a Linear Technology product. No circuit patent licenses are implied. Linear Technology reserves the right to change the circuitry and specifications without notice at any time.

TYPICAL APPLICATION

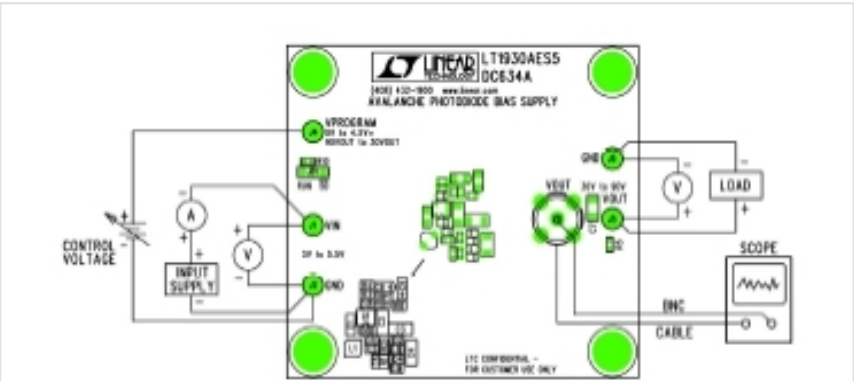


Figure 1. Proper Measurement Equipment Setup

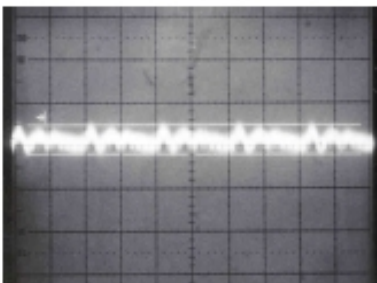


Figure 2. LT1930A Output Ripple ($V_{IN}=3V$, $V_{OUT}=30V$, $LOAD = 47k\Omega$; 0.5mV/div ac coupled; 10MHz bandwidth)

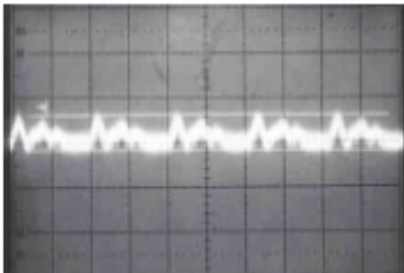


Figure 3. LT1930A Output Ripple ($V_{IN}=3V$, $V_{OUT}=50V$, $LOAD = 47k\Omega$; 0.5mV/div ac coupled; 10MHz bandwidth)

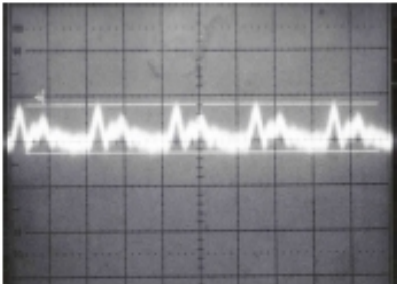


Figure 4. LT1930A Output Ripple ($V_{IN}=3V$, $V_{OUT}=70V$, $LOAD = 47k\Omega$; 0.5mV/div ac coupled; 10MHz bandwidth)

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DESCRIPTION

Demonstration circuit 634 is a low noise avalanche photodiode (APD) bias supply featuring the LT1930A. This circuit takes an input voltage from 3V to 5.5V. The output voltage can be adjusted from 30V to 90V by applying a control voltage (4.5V to 0V) to the VPROGRAM pin. The 2.2MHz switching frequency helps to minimize the circuit size.

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PACKAGING

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ORDER INFO

- Part numbers ending in PBF are [lead free](#). Please contact LTC marketing for information on lead based finish parts.
- Part numbers containing TR or TRM are shipped in [tape and reel or 500 unit mini tape and reel](#), respectively
- Please refer to our [general ordering information](#) or the product datasheet for more details

Evaluation Kits

Part Number	Description	Price
DC634A	LT1930AES5 Avalanche Photodiode Bias Supply, 3V to 5.5V Input, Vout = 30V to 90V	\$75.00
Buy Now		

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APPLICATIONS

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SIMULATE

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For other simulation tools, visit our [Design Simulation and Device Models](#) page.

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