

### LED Driver ICs

#### Switching Converters

Device	Topology	V <sub>IN</sub>		Output Current (mA)	Dimming	Package Options	Demoboards	Application/ Design Notes
		min (V)	max (V)					

#### Automotive (AEC-Q100 Certified)

<a href="#">AT9933</a>	Boost-Buck (Ćuk)	9.0	75	External FET	PWM	8-Lead SOIC (LG)	<a href="#">AT9933DB1</a>	<a href="#">AN-H51</a> <a href="#">AN-H58</a>
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#### General Purpose

<a href="#">HV9918</a>	Buck	4.5	40	Integrated FET	PWM	8-Lead DFN (K7)	<a href="#">HV9918DB1</a>	---
<a href="#">HV9919</a>	Buck	4.5	40	External FET	PWM	8-Lead DFN (K7)	<a href="#">HV9919DB1</a>	---
<a href="#">HV9921</a>	Buck	20	400	20	No	3-Lead TO-92 (N3) 3-Lead SOT-89 (N8)	<a href="#">HV9921DB1</a>	---
<a href="#">HV9922</a>	Buck	20	400	50	No	3-Lead TO-92 (N3) 3-Lead SOT-89 (N8)	<a href="#">HV9922DB1</a> <a href="#">HV9922DB2</a>	<a href="#">DN-H02</a> <a href="#">DN-H03</a>
<a href="#">HV9923</a>	Buck	20	400	30	No	3-Lead TO-92 (N3) 3-Lead SOT-89 (N8)	<a href="#">HV9923DB1</a>	---
<a href="#">HV9925</a>	Buck	20	400	20 - 50	PWM	8-Lead SOIC (SG) w/ Heat Slug	<a href="#">HV9925DB1</a>	---
<a href="#">HV9930</a>	Boost-Buck (Ćuk)	8.0	200	External FET	PWM	8-Lead SOIC (LG)	<a href="#">HV9930DB1</a> <a href="#">HV9930DB2</a>	<a href="#">AN-H51</a> <a href="#">AN-H58</a>

#### General Purpose and Backlight

<a href="#">HV9910B</a>	Buck	8.0	450	External FET	PWM / Linear	8-Lead SOIC (LG) 16-Lead SOIC (NG)	<a href="#">HV9910BDB2</a> <a href="#">HV9910BDB3</a> <a href="#">HV9910BDB7</a> <a href="#">HV9910DB1</a> <a href="#">HV9910DB6</a>	<a href="#">AN-H48</a> <a href="#">AN-H50</a> <a href="#">AN-H64</a> <a href="#">DN-H01</a>
<a href="#">HV9911</a>	Boost, SEPIC, Buck-Boost	9.0	250	External FET	PWM	16-Lead SOIC (NG)	<a href="#">HV9911DB1v2</a> <a href="#">HV9911DB2</a> <a href="#">HV9911DB3</a> <a href="#">HV9911DB4</a>	<a href="#">AN-H55</a>
<a href="#">HV9912</a>	Boost, SEPIC, Buck-Boost	9.0	100	External FET	PWM	16-Lead SOIC (NG)	<a href="#">HV9912DB1</a>	---
<a href="#">HV9961</a>	Buck	8.0	450	External FET	PWM / Linear	8-Lead SOIC (LG) 16-Lead SOIC (NG)	<a href="#">HV9961DB1</a>	<a href="#">AN-H64</a>
<a href="#">HV9963</a>	Boost, SEPIC, Buck-Boost	8.0	40	External FET	PWM / Linear	16-Lead SOIC (NG)	---	---
<a href="#">HV9980</a>	Buck	100	160	70	PWM / Linear	24-Lead SOW (WG)	<a href="#">HV9980DB1</a>	---
<a href="#">HV9982</a>	Buck, Boost, SEPIC	10	40	External FET	PWM / Linear	40-Lead QFN (K6)	<a href="#">HV9982DB1</a>	---
<a href="#">HV9985</a>	Buck, Boost, SEPIC	10	40	External FET	PWM / Linear	40-Lead QFN (K6) 44-Lead QSOP (QP)	---	---

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#### Switching Converters

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		min (V)	max (V)					

#### Offline PFC

<a href="#">HV9931</a>	Buck, BIBRED	8.0	450	External FET	PWM	8-Lead SOIC (LG)	<a href="#">HV9931DB1</a> <a href="#">HV9931DB4</a> <a href="#">HV9931DB5</a>	<a href="#">AN-H52</a> <a href="#">DN-H04</a> <a href="#">DN-H05</a> <a href="#">DN-H06</a>
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#### Low Voltage

<a href="#">HV9903</a>	Boost	1.8	12.5	5 - 40	PWM / Linear	6-Lead DFN (K6)	<a href="#">HV9903DB1</a>	---
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#### Linear Regulators

Device	V <sub>IN</sub>		V <sub>OUT</sub>		Output Current (mA)	Dimming	Paralleleable	Package Options	Features
	min (V)	max (V)	min (V)	max (V)					
<a href="#">CL2</a>	5.0	90	5.0	90	20	External FET	Yes	3-Lead TO-252 (K4) 3-Lead TO-92 (N3) 3-Lead SOT-89 (N8)	---
<a href="#">CL25</a>	5.0	90	5.0	90	25	External FET	Yes	3-Lead TO-92 (N3) 3-Lead SOT-89 (N8)	---
<a href="#">CL320</a>	6.5	90	4.0	90	20	PWM	Yes	8-Lead SOIC (SG) w/ Heat Slug	OTP, separate ENABLE pin
<a href="#">CL325</a>	6.5	90	4.0	90	25	PWM	Yes	8-Lead SOIC (SG) w/ Heat Slug	
<a href="#">CL330</a>	6.5	90	4.0	90	30	PWM	Yes	8-Lead SOIC (SG) w/ Heat Slug	
<a href="#">CL520</a>	4.75	90	1.0	90	20	-	Yes	3-Lead TO-252 (K4) 3-Lead TO-92 (N3)	---
<a href="#">CL525</a>	4.75	90	1.0	90	25	-	Yes	3-Lead TO-252 (K4) 3-Lead TO-92 (N3)	---
<a href="#">CL6</a>	6.5	90	4.0	90	100	No	Yes	3-Lead TO-252 (K4) 3-Lead TO-220 (N5)	Reverse polarity protection, OTP
<a href="#">CL7</a>	6.5	90	4.0	90	100	PWM	Yes	8-Lead SOIC (SG) w/ Heat Slug	Reverse polarity protection, OTP