

LED Driver ICs

Switching Converters

Device	Topology	V _{IN}		Output Current (mA)	Dimming	Package Options	Demoboards	Application/ Design Notes
		min (V)	max (V)					

Automotive (AEC-Q100 Certified)

AT9933	Boost-Buck (Ćuk)	9.0	75	External FET	PWM	8-Lead SOIC (LG)	AT9933DB1	AN-H51 AN-H58
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General Purpose

HV9919	Buck	4.5	40	External FET	PWM	8-Lead DFN (K7)	HV9919DB1	---
HV9921	Buck	20	400	20	No	3-Lead TO-92 (N3) 3-Lead SOT-89 (N8)	HV9921DB1	---
HV9922	Buck	20	400	50	No	3-Lead TO-92 (N3) 3-Lead SOT-89 (N8)	HV9922DB1 HV9922DB2	DN-H04
HV9923	Buck	20	400	30	No	3-Lead TO-92 (N3) 3-Lead SOT-89 (N8)	HV9923DB1	---
HV9925	Buck	20	400	20 - 50	PWM	8-Lead SOIC (SG) w/ Heat Slug	HV9925DB1	---
HV9930	Boost-Buck (Ćuk)	8.0	200	External FET	PWM	8-Lead SOIC (LG)	HV9930DB1 HV9930DB2	AN-H51 AN-H58

General Purpose and Backlight

HV9910B	Buck	8.0	450	External FET	PWM / Linear	8-Lead SOIC (LG) 16-Lead SOIC (NG)	HV9910DB1 HV9910BDB2 HV9910BDB3 HV9910DB6 HV9910BDB7	AN-H48 AN-H50 DN-H01
HV9911	Boost, SEPIC, Buck-Boost	9.0	250	External FET	PWM	16-Lead SOIC (NG)	HV9911DB1v2 HV9911DB2 HV9911DB3 HV9911DB4	AN-H55
HV9912	Boost, SEPIC, Buck-Boost	9.0	100	External FET	PWM	16-Lead SOIC (NG)	HV9912DB1	---
HV9980	Buck	100	160	70	PWM / Linear	24-Lead SOW (WG)	HV9980DB1	---
HV9982	Buck, Boost, SEPIC	10	40	External FET	PWM / Linear	40-Lead QFN (K6)	HV9982DB1	---

Offline PFC

HV9931	Buck, BIBRED	8.0	450	External FET	PWM	8-Lead SOIC (LG)	HV9931DB1 HV9931DB4 HV9931DB5	AN-H52 DN-H04
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Low Voltage

HV9903	Boost	1.8	12.5	5 - 40	PWM / Linear	6-Lead DFN (K6)	HV9903DB1	---
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LED Driver ICs

Linear Regulators

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