

SUPERTEX LED DRIVER INTEGRATED CIRCUITS

◆ Surface Mount Device

Applications:

- Accent lighting - HV9931, CL2
- Automotive - HV9910, HV9911, HV9930, CL2
- Backlighting of flat panel displays - HV9910
- Battery powered LED lamps - HV9911, HV9930, CL6, CL7
- Cellular phones - HV9903
- Chargers - HV9910
- Color LCD Backlighting - HV9903
- Constant current sink - CL2
- DC/DC or AC/DC LED Driver applications: HV9910, HV9930
- Digital cameras - HV9903
- Electronic personal organizers - HV9903
- General purpose constant current source - HV9910, CL2
- Industrial lighting - HV9921, HV9922, HV9923, HV9925, CL2, CL6, CL7
- Incandescent replacements - HV9921, HV9922, HV9923, HV9925, CL6, CL7

- LED driver - HV9903, HV9910, HV9911, HV9921, HV9922, HV9930, CL2
- Low power lighting fixtures - HV9921, HV9922, HV9923, HV9925
- MP3 players - HV9903
- PDAs - HV9903
- RGB backlighting LED driver - HV9910, HV9911, HV9930
- Signage and decorative LED lighting - HV9910, HV9921, HV9922, HV9923, HV9925, HV9931, CL2
- Traffic signals and street lamps - HV9931



RoHS Compliant



MLP-6

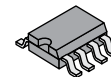
White LED Driver IC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Supply Voltage (V)	Input Voltage (V)	R _{SET} (Ω)	Internally Regulated Voltage (V)(Typ)	LED Current (Min/Max) (mA)	Supply Current (mA)(Max)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689—HV9903K6-G	MLP-6	2.6 - 4.6	1.8 - 12.5	1.5K	3.3	5.0/40	1.6			

Universal High Brightness LED Driver ICs

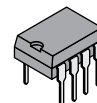
MOUSER STOCK NO.		Package	Input DC Supply Voltage (V)	Current For Ext. Circuitry (Max)(mA)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	Curr. Sense Pull-in Thresh Voltage (Min/Max)(mV)	Oscillator Frequency (Min/Max)(kHz)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689—HV9910BLG-G	SOIC-8	8.0 - 450	1	1	7.5	225/275	20(1MΩ)/120(226kΩ)			



SOIC-8

Switchmode LED Driver IC w/High Current Accuracy

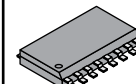
MOUSER STOCK NO.		Package	DC Input Voltage (V)	IC Shut-Down Voltage (Typ)(V)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (Typ)(V)	Undervoltage Lockout Hysteresis (Typ)(mV)	Reference Pin Voltage (Min/Typ/Max)(V)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689—HV9911NG-G	SOIC-16	0.5 - 250	1.25	1.5	7.75	12	1.225/1.25/1.275			



DIP-8

3-Pin Switchmode LED Driver ICs

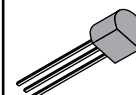
MOUSER STOCK NO.		Package	DC Input Voltage (V)	AC Input Voltage (V)	Constant Output Current (mA)	ON Resistance (Ω)	Operating Supply Current (Typ/Max)(uA)	Threshold Current (Min/Max)(mA)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689—HV9921N3-G	TO-92	20 - 400	85 - 264	20.0	210	200/350	20.5/25.5			
◆	689—HV9921N8-G	SOT-89	20 - 400	85 - 264	20.0	210	200/350	20.5/25.5			
◆	689—HV9923N3-G	TO-92	20 - 400	85 - 264	30.0	210	200/350	30.8/38.2			
◆	689—HV9923N8-G	SOT-89	20 - 400	85 - 264	30.0	210	200/350	30.8/38.2			
◆	689—HV9922N3-G	TO-92	20 - 400	85 - 264	50.0	210	200/350	52/63			
◆	689—HV9922N8-G	SOT-89	20 - 400	85 - 264	50.0	210	200/350	52/63			



SOIC-16

Programmable-Current LED Lamp Driver IC with PWM Dimming

MOUSER STOCK NO.		Package	DC Input Voltage (V)	AC Input Voltage (V)	Programmable Output Current Max (Ω)	ON Resistance (Ω)	Operating Supply Current (Typ/Max)(uA)	Power Dissipation @ 25°C Max (mW)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689—HV9925SG-G	SOIC-8	20 - 400	85 - 264	50.0	200	300/500	800			



TO-92

Hysteric Boost-Buck LED Driver ICs

MOUSER STOCK NO.		Package	Input DC Supply Voltage (V)	Current For Ext. Circuitry (Max)(mA)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	PWM Pull-Down Resistance (Min/Max)(kΩ)	Reference Pin Voltage (Min/Typ/Max)(V)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689—HV9930LG-G	SOIC-8	8.0 - 200	1	1	7.5	50/150	1.212/1.25/1.288			



SOT-89

Unity Power Factor LED Lamp Driver ICs

MOUSER STOCK NO.		Package	Input DC Supply Voltage (V)	AC Input Voltage (V)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	PWM Pull-Down Resistance (Min/Max)(kΩ)	PWM Input Voltage (Low/High)(V)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689—HV9931LG-G	SOIC-8	8.0 - 450	85 - 264	1	7.5	50/150	1.0(Max)/2.4(Min)			

Temperature Compensated Constant Current LED Driver ICs

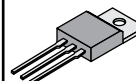
MOUSER STOCK NO.		Package	DC Input Voltage (V)	Current Regulation (Typ)(mA)	Maximum Operating Voltage (V)	Dynamic Resistance (Typ)(Ω)	Power Dissipation @ TA = 25°C (W)	Temperature Coefficient %/°C	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689—CL2K4-G	TO-252	5.0 - 90	20	100	300k	2.0	0.01			
◆	689—CL2N8-G	SOT-89	5.0 - 90	20	100	300k	1.3	0.01			
◆	689—CL2N3-G	TO-92	5.0 - 90	20	100	300k	0.6	0.01			



TO-252

Linear Fixed Constant Current LED Driver ICs

MOUSER STOCK NO.		Package	Input DC Supply Voltage (V)	AC Input Voltage (V)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	PWM Pull-Down Resistance (Min/Max)(kΩ)	PWM Input Voltage (Low/High)(V)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689—CL6K4-G	TO-252	6.5 - 28	3.0/5.0/10	90/100/110	1.3	40	120/135/150			
◆	689—CL6N5-G	TO-220	6.5 - 28	3.0/5.0/10	90/100/110	2.5	62	120/135/150			



TO-220