



AC/DC Converters



Hi-Voltage Start-Up Green Mode PWM Controller

Part Number	Start-Up	UVLO ON (V)	UVLO OFF (V)	Driving Cap. (mA)	Switching Freq.	Freq. Trembling	Protection					LEB (nS)	Package (RoHS/ Green)	
							OCP	OVP	OLP	OTP	BNO			
LD7560	G	1mA	16.0	10.0	500	65KHz	Yes	Yes	Yes	Yes	-	-	250	SOP-8/ DIP-8
LD7575	G	1mA	16.0	10.0	500	Adj.	-	Yes	Yes	Yes	-	-	350	SOP-8/ DIP-8
LD7575A	G	1mA	16.0	10.0	500	Adj.	-	Yes	Yes	Yes	-	-	200	SOP-8
LD7575B	G	1mA	16.0	10.0	500	Adj.	-	Yes	Yes	Yes	-	-	220	SOP-8/ DIP-8
LD7576	G	1mA	16.0	10.0	500	65KHz	Yes	Yes	Yes	Yes	Inter.	-	230	SOP-8/ DIP-8
LD7576A	G	1mA	16.0	10.0	500	65KHz	Yes	Yes	Yes	Yes	Inter.	-	230	SOP-8/ DIP-8
LD7576B	G	1mA	16.0	10.0	500	130KHz	Yes	Yes	Yes	Yes	Inter.	-	230	SOP-8/ DIP-8
LD7576J	G	1mA	16.0	10.0	500	100KHz	Yes	Yes	Yes	Yes	Inter.	-	230	SOP-8/ DIP-8
LD7577/B	G	1mA	16.0	10.0	500	65KHz	-	Yes	Yes	Yes	-	Yes	250	SOP-8/ DIP-8
LD7577J	G	1mA	16.0	10.0	500	65KHz	Yes	Yes	Yes	Yes	Inter.	Yes	320	SOP-8/ DIP-8
LD7577JA	G	1mA	16.0	10.0	500	65KHz	Yes	Yes	Yes	Yes	Inter.	Yes	320	SOP-8/ DIP-8
LD7578	G	1mA	16.0	10.0	500	65KHz	-	Yes	Yes	Yes	Ext.	-	250	SOP-8/ DIP-8
LD7578J	G	1mA	16.0	10.0	500	65KHz	Yes	Yes	Yes	Yes	Ext.	-	320	SOP-8/ DIP-8
LD7578H	G	1mA	16.0	10.0	500	65KHz	Yes	Yes	Latch	Latch	Ext.	-	320	SOP-8/ DIP-8
LD7750/A	G	1mA	16.0	10.0	500	65KHz	Yes	Yes	Yes	Yes	Ext.	-	250	SOP-8/ DIP-8



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							OCP	OVP	OLP	OTP	BNO		
LD7510/10J G	20μA	16.0	8.5	300	65KHz	Yes	Yes	Yes	Yes	-	-	225	SOT-26/ DIP-8
LD7522 G	35μA	16.0	10.0	500	65KHz	-	Yes	Yes	Yes	Ext.	Yes	350	SOP-8/ DIP-8
LD7522H G	35μA	16.0	10.0	500	65KHz	-	Yes	Latch	Latch	Ext.	Yes	350	SOP-8/ DIP-8
LD7523 G	35μA	12.75	9.75	500	65KHz	-	Yes	Yes	Yes	-	Yes	350	SOP-8/ DIP-8
LD7523A G	35μA	12.75	9.75	500	65KHz	-	Yes	Yes	Yes	Ext.	Yes	350	SOP-8/ DIP-8
LD7530/A G	20μA	16.0	10.0	300	65KHz	Yes	Yes	Yes	Yes	-	-	200	SOT-26, DIP-8
LD7531 G	20μA	16.0	10.0	300	Adj.	Yes	Yes	Yes	Yes	-	-	190	SOT-26/ DIP-8
LD7531A/B G	20μA	16.0	10.0	300	Adj.	Yes	Yes	Yes	Yes	-	-	240	SOT-26/ DIP-8
LD7532 G	20μA	16.0	10.0	300	65KHz	Yes	Yes	Latch	Yes	-	-	220	SOT-26
LD7532A G	20μA	16.0	10.0	300	65KHz	Yes	Yes	Latch	Yes	-	-	220	SOT-26
LD7532H G	20μA	16.0	10.0	300	65KHz	Yes	Yes	Latch	Latch	-	-	220	SOT-26
LD7535A G	20μA	16.0	10.0	300	Adj.	-	Yes	Yes	Yes	-	-	350	SOT-26/ DIP-8
LD7535B G	20μA	16.0	10.0	300	Adj.	-	Yes	Yes	Yes	-	-	200	SOT-26
LD7536 G	20μA	16.0	10.0	300	65KHz	Yes	Yes	Latch	Yes	Ext.	-	200	SOT-26
LD7551C G	20μA	16.0	10.0	500	Adj.	Yes	Yes	Yes	Yes	-	-	240	SOT-26
LD7552B G	20μA	16.0	10.0	500	Adj.	-	Yes	Yes	Yes	-	-	350	SOP-8, DIP-8
LD7552C G	20μA	16.0	10.0	500	Adj.	Yes	Yes	Yes	Yes	-	-	240	SOP-8, DIP-8
LD7552D G	20μA	16.0	10.0	500	65KHz	Yes	Yes	Yes	Yes	-	-	240	SOP-8/ DIP-8
LD7591 G	30μA	12.0	8.5	800	Variable	Yes	Yes	Yes	No	Inter	-	350	SOP-8/ DIP-8



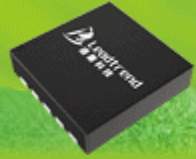
AC/DC Converters



Low Power Off-Line Switcher (PWM + MOS)

Part Number	Start-Up	UVLO ON (V)	UVLO OFF (V)	R _{DS(ON)}	VDSS (V)	Switching Freq.	Freq. Trembling	Protection					Package (RoHS/ Green)
								OCP	OVP	OLP	OTP	BNO	
LD7660J G	20 μ A	16.0	8.5	9 Ω	650	65KHz	Yes	Yes	Yes	Yes	-	-	DIP-8
LD7670J G	20 μ A	16.0	8.5	3.7 Ω	650	65KHz	Yes	Yes	Yes	Yes	-	-	DIP-8

Note: LD7591 features VCC max. \leq 25V, while the others feature VCC max. $>$ 30V, and internal slop compensation



DC/DC Converters



Single Synchronous Buck PWM Controller

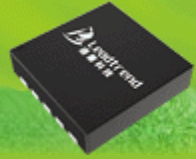
Part Number	V _{IN}	V _{CC}	Freq.	Linear Controller	Operating Temperature	Synchronous Rectifier	Package
LD7120 PS	5V	5V	300KHz	No	0~70°C	Yes	SOP-8
LD7120A PS	5V	5V	300KHz	No	-30~85°C	Yes	SOP-8
LD7129 PS	3.3V/5V	5V/12V	600KHz	Yes	0~70°C	Yes	SOP-14

Single Asynchronous Buck PWM Converter

Part Number	V _{IN}	Freq.	Internal MOS	VFB Tolerance	Duty Ratio	Max. Output Current	Package
LD7412 GS	4.3~18v	400K typ.	Yes	±2%	0~100%	2A	SOP-8
LD7413 GS	4.3~18v	400K typ.	Yes	±2%	0~100%	3A	SOP-8

Photoflash Capacitor Charger

Part Number	V _{CC} MAX	Shutdown Current	Auto Refresh	Internal MOS	Charging Mode	V _{FB} Tolerance	IGBT Driver	MAX Ton Time	Package
LD7261 PL	5.5V	100μA	Yes	No	Linearly Decrease	±1.0%	Yes	5.5μS	MSOP-10
LD7261A PL	5.5V	<1μA	No	No	Linearly Decrease	±1.0%	Yes	7.5μS	MSOP-10
LD7264 G	5.5V	<1.5μA	No	Yes	Programmable 8-level current limit	V _{TRIP} Tolerance ±1.5%	Yes	20μS	WDFN-8/ WDFN-10
LD7265/A G	5.5V	<1.5μA	No	Yes	Programmable 8-level current limit	±1.5%	Yes	32μS	WDFN-10
LD7266A G	5.5V	<1.5μA	No	Yes	Constant On Time	±1.5%	Yes	7.0μS	MSOP-10/ WDFN-10
LD7268 PL	5.5V	100μA	Yes	No	Constant On Time	±1.0%	Yes	5.0μS	MSOP-10
LD7268A PL	5.5V	<1μA	No	No	Constant On Time	±1.0%	Yes	6.0μS	MSOP-10
LD7270 G	5.5V	<1.5μA	No	Yes	Constant Peak Current	±1.5%	Yes	30μS	WDFN-10



DC/DC Converters



Multi-Channel Regulator

Part Number	V _{IN} MIN.	V _{IN} MAX.	Shutdown Current	No. of DC/DC output	Switching Frequency	Package
LD7241A G	1.5V	5.5V	2.5μA (typ.)	Boost *1, Boost or Buck *1 Buck*2, Current Source*1	1MHz	QFN-40
LD7241 G	1.5V	5.5V	2.5μA (typ.)	Boost *1, Boost or Buck *1 Buck*2, Current Source*1 Shutter*1	1MHz	QFN-40

Boost Controller/ VFM Step up Converter

Part Number	V _{IN} Max.	Frequency	Output Voltage	Output Voltage Accuracy	Package
LD7280 PL/PJ	6.5V	120KHz	1.8V~5.0V	±2%	SOT25
LD7282 PL/PJ	6.5V	160KHz	1.8V~5.0V	±2%	SOT25



DC/DC Converters



LDO

Part Number	Input Voltage	Quiescent Current (typ.)	Output Current Limit (typ.)	Output Voltage	Dropout Voltage (typ.)	Reference Voltage Tolerance	Package
LD6903 G	5~19V	70 μ A	150mA	Adj.	0.15V @60mA	\pm 1.5%	SC70-6
LD6904 G	-11~ -5V	70 μ A	150mA	Adj.	0.15V @60mA	\pm 1.5%	SC70-6
LD6909 G	2.8~5.5V	100 μ A	420mA	1.8V~3.3V (0.1V a step)	0.22V @300mA	\pm 2%	SC70-6
LD6911 G	2.8~5.5V	140 μ A	420mA	1.8V~3.3V (0.1V a step)	0.22V @300mA	\pm 2%	SOT-25/ SC70-6
LD6912 G	2.8~5.5V	140 μ A	420mA	1.5V~3.3V (0.1V a step)	0.22V @300mA	\pm 2%	SC70-5
LD6914 G	2.5~6V	40 μ A	250mA	Adj.	0.15V@150mA	\pm 1%	SOT-25/ SC70-5
LD6915 G	2.8~5.5V	270 μ A	420mA	1.5~3.3V (0.1V a step)	0.27V@300mA	\pm 2%	SOT-23/ SC70-5, SC82-4
LD6918 G (Dual LDO)	2.5V~5.5V	100 μ A	420mA	1.5V~3.3V (0.1V step)	0.24V@300mA	\pm 2%	SOT-26, WDFN-8, WDFN-8L
LD6919 G	2.5V~5.5V	80 μ A	600mA	Adj/ 1.5V~3.3V (0.1V step)	0.23V@300mA	\pm 2%	SOT-25, SC-70-6 WDFN-6
LD6969 G	2.0~6.0V	5 μ A	200mA	1.5V~3.4V (0.1V step)	0.35V @50mA	\pm 2%	SOT-25, 26 SC70-3. 70-6
LD6991 G	2.0V~6V	5 μ A	150mA	1.5V~3.3V (0.1V step)	0.35V@50mA	\pm 2%	SC70-6

ACPI Controller

Part Number	Supply Current	UVP	Soft Start	Power OK	V _{DUAL} tolerance	Package
LD7301 G	6mA	Yes	Yes	Yes	\pm 1.5%	SSOP-20

WLED Driver

Boost Controller/ WLED Driver

Part Number	V _{IN} Max.	Frequency	LED Current	LED Driving Type	Package
LD7205 G	5.5V	1MHz	100mA@ flash mode	Dual- Serial	QFN-16
LD7209 G	5.5V	1.1MHz	20mA	Serial	WDFN-8
LD7291 PL	3.6V	210KHz	18mA	Parallel	SOT26
LD7293 PL	3.6V	120KHz	350mA	-	SOT25

Charge Pump/ WLED Driver

Part Number	V _{IN} Max.	Frequency	LED Current	LED Driving Type	Package
LD7202 G	5.5V	1MHz	20mA	Serial	WDFN-8

High Voltage Step Down Converter/ High Power WLED Driver

Part Number	V _{IN} Max.	Frequency	LED Current	LED Driving Type	Package
LD7850 G	70V	20K~450K	Adj.	Serial	MSOP-10/ SOP-8
LD7860 G	30V	20K~1MHz	Up to 1A	Serial	SOT-25

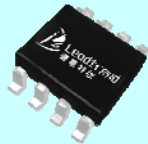
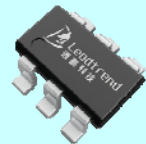
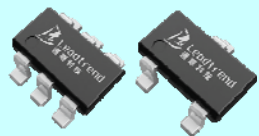
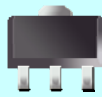
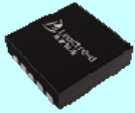

AC-in / WLED Driver

Part Number	V _{IN} Max.	Topology	Power Output	Power Factor	Package
LD7591 G	90V~264V AC	Flyback	>15W	>0.90	SOP-8

All above products are ROHS compliant/ Green Packaged (**G**).



Package Information

SOP-8 (SOP-16, MSOP-10)	SOT-25/ 26	SC70-3/ SC70-6	SOT-89	WDFN-8, 10	DIP-8
					
2.5K/Reel	3K/ Reel	3K/ Reel	3K/ Reel	2500/ Reel	3.6K/ Box

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