# - LDD-H&LDB-L series

### **DC-DC Constant Current LED Driver**

#### LDD-H/HW/HS

- •Constant current step-down
- LED driver
- •Wide input and output
- voltage range
- •High efficiency up to 97%
- •Comply with EN55015 and FCC part 15 without additional input filter and capacitors
- •PWM dimming and remote ON/OFF control

- Protections:
- Short circuit / Over temp.
- •Compact size
- •Operating temperature range: -40~+85°C
- •Cooling by free air convection
- •Fully enclosed plastic case
- (UL 94V-0)
- •3 years warranty

#### LDB-L/LW

•Constant current buck-boost

•Wide input and output

•High efficiency up to 91%

•Comply with EN55015 and

input filter and capacitors

•PWM dimming and remote

FCC part 15 without additional

Remote

ON/OFF

LED driver

voltage range

ON/OFF control

Output current

accuracy

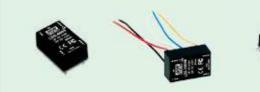
dimming &

ON/OFF

control

**PWM** 

- Protections:
- Short circuit / Over temp.
- •Operating temperature range: -40~+71°C
- •Cooling by free air convection
- •Fully enclosed plastic case
- (UL 94V-0)
- $\cdot$ 3 years warranty







±5%

Leave open if not used

Power OFF:

Power ON with dimming:

DIM ~ -Vin <0.1VDC or short

DIM ~ -Vin >2~5VDC or open circuit



Output current accuracy		±3% at 24VDC input; ±4% at 48VDC input for LDD-H/HW; ±5% at 48VDC input for LDD-HS				
PWM dimming & ON/OFF control		Leave open if not used				
	Remote ON/OFF	<ul> <li>Power ON with dimming: DIM ~ -Vin &gt;2.5~6VDC or open circuit</li> <li>Power OFF: DIM ~ -Vin &lt;0.8VDC or short</li> </ul>				
	PWM frequency	100~1KHz				
Short circuit		Regulated at rated output current, can be continued, auto-recovery				
Over temperature protection		Shut down, recovers automatically after temperature goes down				
Working temperature		-40~+85°C				
EMC standards		EN55015, EN61547, EN61000-4-2,3,4,6,8, FCC part 15 class E				
Operating case temp. (max.)		100°C				
Dimension (LxWxH)(mm)		LDD-H/HW: 31.8x 20.3x 12.2 LDD-HS: 31.8x 20.3x 10.9				

#### **LDD-H Series**

Model No.	Input (VDC)	Output				
		Voltage (VDC)	Current (mA)	Io Tol.	Effi.	
LDD-300H	9~56	2~52	300	±4%	97%	
LDD-350H	9~56	2~52	350	±4%	97%	
LDD-500H	9~56	2~52	500	±4%	97%	
LDD-600H	9~56	2~52	600	±4%	97%	
LDD-700H	9~56	2~52	700	±4%	97%	
LDD-1000H	9~56	2~52	1000	±4%	97%	

= Blank, W, S ; Blank: pin style, W: wire style, S: SMD style

#### PWM 1KHz frequency Regulated at rated output current, Short circuit can be continued, auto-recovery Over temperature Shut down, recovers automatically protection after temperature goes down -40~+71°C Working temperature EN55015, EN61547, EMC standards EN61000-4-2,3,4,6,8, FCC part 15 class B Operating case temp. 110°C (max.) Dimension 31.8x 20.3x 12.2 (LxWxH)(mm)

## FCCE LDB-L Series

LDB-L Series					
Model No.	Input (VDC)	Output			
		Voltage (VDC)	Current (mA)	Io Tol.	Effi.
LDB-300L	9~36	2~40	300	±5%	90%
LDB-350L	9~36	2~40	350	±5%	90%
LDB-500L	9~30	2~32	500	±5%	91%
LDB-600L	9~28	2~30	600	±5%	91%

= Blank, W ; Blank: pin style, W: wire style