

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



| | | |
|------------------------------|---------------|---|
| 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 | Remote ON/OFF | Leave open if not used <ul style="list-style-type: none"> ▪ Power ON with dimming: DIM ~ -Vin >2.5~6VDC or open circuit ▪ Power OFF: DIM ~ -Vin <0.8VDC or short |
| | 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 B |
| 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 |

LDB-L/LW

- Constant current buck-boost LED driver
- Wide input and output voltage range
- High efficiency up to 91%
- 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.
- Operating temperature range: -40~+71°C
- Cooling by free air convection
- Fully enclosed plastic case (UL 94V-0)
- 3 years warranty



| | | |
|------------------------------|---------------|---|
| Output current accuracy | | ±5% |
| PWM dimming & ON/OFF control | Remote ON/OFF | Leave open if not used <ul style="list-style-type: none"> ▪ Power ON with dimming: DIM ~ -Vin >2~5VDC or open circuit ▪ Power OFF: DIM ~ -Vin <0.1VDC or short |
| | PWM frequency | 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~+71°C |
| EMC standards | | EN55015, EN61547, EN61000-4-2,3,4,6,8, FCC part 15 class B |
| Operating case temp. (max.) | | 110°C |
| Dimension (LxWxH)(mm) | | 31.8x 20.3x 12.2 |

LDD-H Series



| Model No. | Input (VDC) | Output | | Io Tol. | Effi. |
|-------------|-------------|---------------|--------------|---------|-------|
| | | Voltage (VDC) | Current (mA) | | |
| 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

LDB-L Series



| Model No. | Input (VDC) | Output | | Io Tol. | Effi. |
|------------|-------------|---------------|--------------|---------|-------|
| | | Voltage (VDC) | Current (mA) | | |
| 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