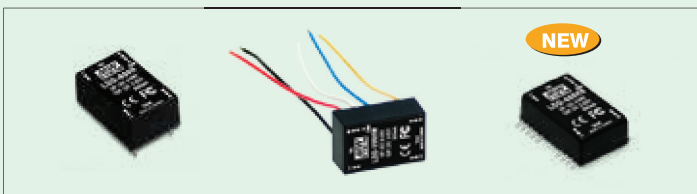


LDD-H&LDH series

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 ▪ 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 temp. protection	Range	Tj 150°C typically detect on main control IC
	Type	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 11.4

LDD-H Series

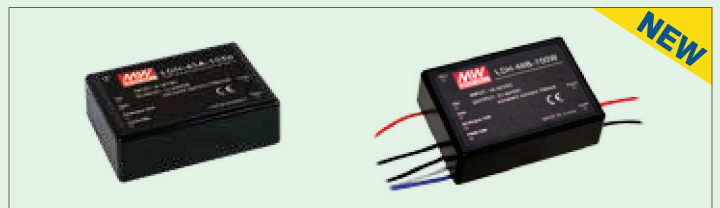


Model No.	Input (VDC)	Output		Io Tol.	Effi.
		Voltage (VDC)	Current (mA)		
LDD-300H □	9~56	2~52	300	±4%	97%
LDD-350H □	9~56	2~52	350	±4%	97%
LDD-500H □	9~56	2~52	500	±4%	97%
LDD-600H □	9~56	2~52	600	±4%	97%
LDD-700H □	9~56	2~52	700	±4%	97%
LDD-1000H □	9~56	2~52	1000	±4%	97%

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

LDH-45

- Constant current step-up LED driver
- Wide input and output voltage range
- High efficiency up to 95%
- Built-in EMI filter
- PWM + analog dimming and remote ON/OFF control
- Protections: Short circuit / Over voltage / Under voltage
- Operating temperature range: -40~+70°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 ▪ Power ON with dimming: DIM ~ DIM- >2~8VDC or open circuit ▪ Power OFF: DIM ~ DIM- <0.5VDC or short
	PWM frequency	1K~10KHz
Analog dimming & ON/OFF control	Remote ON/OFF	Leave open if not used ▪ Power ON with dimming: Analog DIM ~ DIM- >0.25~8VDC or open circuit ▪ Power OFF: Analog DIM ~ DIM- <0.2VDC or short
	Short circuit protection	Power off and fuse open
Over voltage protection		>116% rated output voltage
Working temperature		-40~+70°C (refer to output derating curve)
EMC standards		EN55015, EN61547, EN61000-4-2,3,4,6,8
Dimension (LxWxH) (mm)		75x53x22.7

LDH-45A Series



Model No.	Input (VDC)	Output		Io Tol.	Effi.
		Voltage (VDC)	Current (mA)		
LDH-45A-350 □	9~18	12~86	350mA	±5%	91%
LDH-45A-500 □	9~18	12~86	500mA	±5%	90%
LDH-45A-700 □	9~18	12~64	700mA	±5%	90%
LDH-45A-1050 □	9~18	12~43	1050mA	±5%	91%

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

LDH-45B Series



Model No.	Input (VDC)	Output		Io Tol.	Effi.
		Voltage (VDC)	Current (mA)		
LDH-45B-350 □	18~32	21~126	350mA	±5%	93%
LDH-45B-500 □	18~32	21~86	500mA	±5%	94%
LDH-45B-700 □	18~32	21~64	700mA	±5%	95%
LDH-45B-1050 □	18~32	21~43	1050mA	±5%	95%

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