



■ Features :

- DC/DC step-up converter
- Constant current output : 350mA to 1050mA
- Wide output LED string voltage up to 126VDC
- High efficiency up to 95%
- Built-in EMI filter ,comply with BS EN/EN55015 without additional input filter and capacitors
- PWM + analog dimming and remote ON/OFF control [(Blank) type or W type]
- DALI dimming [(Blank)DA type or WDA type]
- Protections: Short circuit / Over voltage / Under voltage
- Cooling by free air convection
- Fully encapsulated
- 3 years warranty



LDH-45 □ -350 ○ □ =A or B; A: 9~18VDC input range, B: 18~32VDC input range
 ○=(Blank) or W or (Blank)DA or WDA ;
 (Blank): PIN style, PWM+analog dimming
 W: Wire style, PWM+analog dimming
 (Blank)DA: PIN style, DALI dimming
 WDA: Wire style, DALI dimming

SPECIFICATION

| MODEL | | LDH-45A-350○ | LDH-45A-500○ | LDH-45A-700○ | LDH-45A-1050○ | LDH-45B-350○ | LDH-45B-500○ | LDH-45B-700○ | LDH-45B-1050○ | |
|---------------------------------|---|---|--------------|--------------|---------------|--------------------|--------------|--------------|---------------|----------|
| OUTPUT | RATED CURRENT | 350mA | 500mA | 700mA | 1050mA | 350mA | 500mA | 700mA | 1050mA | |
| | CURRENT ACCURACY(Typ.) | ±5% at 12VDC input | | | | ±5% at 24VDC input | | | | |
| | VOLTAGE RANGE Note.2 | Non-DALI | 12~86VDC | 12~86VDC | 12~64VDC | 12~43VDC | 21~126VDC | 21~86VDC | 21~64VDC | 21~43VDC |
| | | DALI | 24~86VDC | 24~86VDC | 24~64VDC | 24~43VDC | 36~126VDC | 36~86VDC | 36~64VDC | 36~43VDC |
| | NO LOAD OUTPUT VOLTAGE(max.) | 100V | 100V | 75V | 50V | 146V | 100V | 75V | 50V | |
| | RATED POWER | 30.1W | 43W | 44.8W | 45.15W | 44.1W | 43W | 44.8W | 45.15W | |
| RIPPLE & NOISE (max.) Note.3 | 2.5Vp-p | 2.5Vp-p | 1.9Vp-p | 1.9Vp-p | 2.5Vp-p | 1.7Vp-p | 1.2Vp-p | 1.2Vp-p | | |
| INPUT | RATED VOLTAGE | 12VDC | | | | 24VDC | | | | |
| | VOLTAGE RANGE Note.2 | 9~18VDC | | | | 18~32VDC | | | | |
| | EFFICIENCY (max.) | 91% | 90% | 90% | 91% | 93% | 94% | 95% | 95% | |
| | DC CURRENT (Typ.) | 2.8A | 4.1A | 4.2A | 4.2A | 2.1A | 2.1A | 2A | 2A | |
| PWM DIMMING & ON/OFF CONTROL | REMOTE ON/OFF | Leave open if not used Power ON with dimming: PWM signal >2~8VDC or open circuit, between PWM DIM and DIM- Power OFF : PWM signal <0.5VDC or short or PWM duty is equal to 0%, between PWM DIM and DIM- | | | | | | | | |
| | PWM DIMMING FREQUENCY | 1K~10KHz | | | | | | | | |
| | QUIESCENT INPUT CURRENT IN SHUTDOWN MODE(Typ.) | 7mA when PWM dimming OFF | | | | | | | | |
| | | | | | | | | | | |
| ANALOG DIMMING & ON/OFF CONTROL | REMOTE ON/OFF | Leave open if not used Power on with dimming: DC input >0.25~8VDC or open circuit, between Analog DIM and DIM- Power off : DC input <0.2VDC or short, between Analog DIM and DIM- | | | | | | | | |
| | DIM INPUT VOLTAGE RANGE | 0.25~1.3VDC | | | | | | | | |
| | MAX OPERATION VOLTAGE | 8V; The output current remains constant when voltage changes from 1.3V to 8V | | | | | | | | |
| | QUIESCENT INPUT CURRENT IN SHUTDOWN MODE(Typ.) | 7mA when Analog dimming OFF | | | | | | | | |
| PROTECTION | SHORT CIRCUIT | Protection type : Power OFF and fuse open | | | | | | | | |
| | OVER VOLTAGE (max.) | 100V | 100V | 75V | 50V | 146V | 100V | 75V | 50V | |
| ENVIRONMENT | WORKING TEMP. | -40 ~ +70°C (Refer to "Derating Curve") | | | | | | | | |
| | WORKING HUMIDITY | 20 ~ 90% RH non-condensing | | | | | | | | |
| | STORAGE TEMP., HUMIDITY | -40 ~ +85°C, 10 ~ 95% RH | | | | | | | | |
| | TEMP. COEFFICIENT | ±0.03%/°C (0 ~ 50°C) | | | | | | | | |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | | | | | | | | |
| SAFETY & EMC | SAFETY STANDARDS | LVD BS EN/EN61347-1, BS EN/EN61347-2-13, EAC TP TC 004 approved | | | | | | | | |
| | EMC EMISSION | Compliance to BS EN/EN55015;EAC TP TC 020 | | | | | | | | |
| | EMC IMMUNITY | Compliance to BS EN/EN61547,BS EN/EN61000-4-2,3,4,6,8; light industry level, criteria A;EAC TP TC 020 | | | | | | | | |
| OTHERS | MTBF | 1179.3Khrs min. MIL-HDBK-217F (25°C) | | | | | | | | |
| | DIMENSION | 75*53*22.7mm (L*W*H) | | | | | | | | |
| | PACKING | 138g;100pcs/14.8Kg/0.83CUFT[(Blank) type or (Blank) DA type],1.04CUFT(W type or WDA type) | | | | | | | | |
| NOTE | 1. All parameters are specified at normal input(12VDC,24VDC), rated load, 25°C 70% RH ambient. 2. (Blank) type and W type output voltage must step up by 3 Volts from input DC voltage; (Blank)DA type and WDA type output voltage must step up by 12 Volts from input DC voltage. 3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf parallel capacitor. ※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx | | | | | | | | | |