



Наличие и актуальные цены на

**LDD-300LS**

<https://www.mean-well.ru/store/LDD-300LS/>



#### ■ Features :

- DC/DC step-down converter
- Constant current output: 300mA to 700mA
- Wide input voltage: 9 ~ 36VDC
- Wide output LED string voltage: 2 ~ 32VDC
- High efficiency up to 95%
- Built-in EMI filter, comply with BS EN/EN55015 and FCC part15 without additional input filter and capacitors
- Built-in PWM dimming and remote ON/OFF control
- Protections: Short circuit / Over temperature
- Cooling by free air convection
- Fully encapsulated with IP67 level for pin and wire style
- Compact size
- Low cost, high reliability
- Suitable for driving illumination LED
- 3 years warranty

#### ■ GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>



LDD-350L ☒ Blank : pin style  
W : wire style  
S : SMD style

#### SPECIFICATION

| ORDER NO.                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LDD-300L <input type="checkbox"/>                                                                                                          | LDD-350L <input type="checkbox"/> | LDD-500L <input type="checkbox"/> | LDD-600L <input type="checkbox"/> | LDD-700L <input type="checkbox"/> |       |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------|
| OUTPUT                                         | CURRENT RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 300mA                                                                                                                                      | 350mA                             | 500mA                             | 600mA                             | 700mA                             |       |
|                                                | VOLTAGE RANGE <span>Note.4</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 ~ 32VDC for LDD-300~700L/LW ; 2~ 28VDC for LDD-300~700LS                                                                                 |                                   |                                   |                                   |                                   |       |
|                                                | CURRENT ACCURACY (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ±5% at 24VDC input                                                                                                                         |                                   |                                   |                                   |                                   |       |
|                                                | RIPPLE & NOISE(max.) <span>Note.2</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 150mVp-p                                                                                                                                   | 150mVp-p                          | 150mVp-p                          | 200mVp-p                          | 200mVp-p                          |       |
|                                                | SWITCHING FREQUENCY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 40KHz ~ 1000KHz                                                                                                                            |                                   |                                   |                                   |                                   |       |
| EXTERNAL CAPACITANCE LOAD (max.)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.2uF                                                                                                                                      |                                   |                                   |                                   |                                   |       |
| INPUT                                          | VOLTAGE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9 ~ 36VDC for LDD-300~700L/LW ; 9~ 32VDC for LDD-300~700LS                                                                                 |                                   |                                   |                                   |                                   |       |
|                                                | EFFICIENCY (max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 95% at full load and 24VDC/36VDC input for LDD-300~700L/LW ; 95% at full load and 24VDC input for LDD-300~700LS                            |                                   |                                   |                                   |                                   |       |
|                                                | DC CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Full load <span>Note.3</span>                                                                                                              | 300mA                             | 350mA                             | 500mA                             | 600mA                             | 700mA |
|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | No load                                                                                                                                    | 5mA                               |                                   |                                   |                                   |       |
| FILTER                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Capacitor                                                                                                                                  |                                   |                                   |                                   |                                   |       |
| PWM DIMMING & ON/OFF CONTROL                   | REMOTE ON/OFF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Leave open if not use                                                                                                                      |                                   |                                   |                                   |                                   |       |
|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Power ON with dimming: DIM ~ -Vin >3.5 ~ 8VDC or open circuit                                                                              |                                   |                                   |                                   |                                   |       |
|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Power OFF : DIM ~ -Vin < 0.5VDC or short                                                                                                   |                                   |                                   |                                   |                                   |       |
|                                                | PWM FREQUENCY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 100 ~ 1KHz                                                                                                                                 |                                   |                                   |                                   |                                   |       |
| QUIESCENT INPUT CURRENT IN SHUTDOWN MODE(max.) | 1mA at PWM dimming OFF and 24VDC input                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                            |                                   |                                   |                                   |                                   |       |
| PROTECTION                                     | SHORT CIRCUIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Regulated at rated output current                                                                                                          |                                   |                                   |                                   |                                   |       |
|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Protection type: Can be continued, recovers automatically after fault condition is removed                                                 |                                   |                                   |                                   |                                   |       |
|                                                | OVER TEMPERATURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Tj 150℃ typically(IC1) detect on main control IC                                                                                           |                                   |                                   |                                   |                                   |       |
| ENVIRONMENT                                    | WORKING TEMP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -40 ~ + 85℃ (Refer to derating curve)                                                                                                      |                                   |                                   |                                   |                                   |       |
|                                                | WORKING HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 20% ~ 90% RH non-condensing for LDD-300~700L/LW ; 20% ~ 85% RH non-condensing for LDD-300~700LS                                            |                                   |                                   |                                   |                                   |       |
|                                                | STORAGE TEMP., HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -55 ~ +125℃, 10 ~ 95% RH                                                                                                                   |                                   |                                   |                                   |                                   |       |
|                                                | TEMP. COEFFICIENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ±0.03% / °C                                                                                                                                |                                   |                                   |                                   |                                   |       |
|                                                | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes                                                                   |                                   |                                   |                                   |                                   |       |
|                                                | OPERATING CASE TEMP. (max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 100℃                                                                                                                                       |                                   |                                   |                                   |                                   |       |
| EMC                                            | SAFETY STANDARDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EAC TP TC 020/2011 approved                                                                                                                |                                   |                                   |                                   |                                   |       |
|                                                | EMC EMISSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Compliance to BS EN/EN55015, FCC part 15 class B, EAC TP TC 020                                                                            |                                   |                                   |                                   |                                   |       |
|                                                | EMC IMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Compliance to BS EN/EN61000-4-2,3,4,6,8, light industry level, criteria A, EAC TP TC 020                                                   |                                   |                                   |                                   |                                   |       |
| OTHERS                                         | MTBF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1000Khrs min. MIL-HDBK-217F (25℃)                                                                                                          |                                   |                                   |                                   |                                   |       |
|                                                | DIMENSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 22.6*9.9*8.9mm or 0.89**0.39**0.35" inch (L*W*H) for LDD-300~700L/LW ; 25.4*10.5*9.3mm or 1**0.4135**0.366" inch (L*W*H) for LDD-300~700LS |                                   |                                   |                                   |                                   |       |
|                                                | WEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LDD-300~700L:4g ; LDD-300~700LW:7.3g ; LDD-300~700LS :3.4g                                                                                 |                                   |                                   |                                   |                                   |       |
|                                                | POTTING MATERIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Expoxy(UL94-V0) for LDD-300~700L/LW ; without potted for LDD-300~700LS                                                                     |                                   |                                   |                                   |                                   |       |
| NOTE                                           | 1.All parameters are specified at normal input(24VDC), rated load, 25℃ 70% RH ambient.<br>2.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf capacitor.<br>3.Test condition: 24VDC input.<br>4.Output voltage will always step down by 3 volts from input DC voltage.<br>5.The output of LDD-L should not be connected to the input of the same unit or output from other sources.<br>※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a> |                                                                                                                                            |                                   |                                   |                                   |                                   |       |



#### ■ Features :

- DC/DC step-down converter
- Constant current output: 1000mA
- Wide input voltage: 6 ~ 36VDC
- Wide output LED string voltage: 2 ~ 30VDC
- High efficiency up to 95%
- Built-in EMI filter, comply with BS EN/EN55015 and FCC part15 without additional input filter and capacitors
- Built-in PWM +analog dimming and remote ON/OFF control
- Protections: Short circuit
- Cooling by free air convection
- Fully encapsulated with IP67 level for pin and wire style
- Order No.: LDD-~~1000~~
- Compact size
- Low cost, high reliability
- Suitable for driving illumination LED
- 3 years warranty



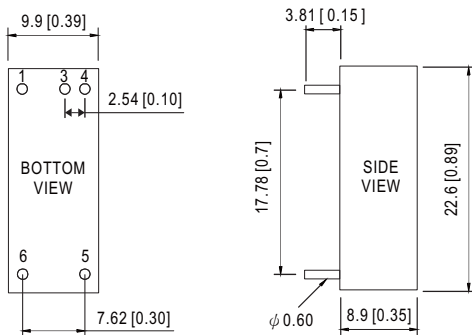
#### SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                       |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| ORDER NO.                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LDD-1000L                                                                                                                             |
| OUTPUT                          | CURRENT RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1000mA                                                                                                                                |
|                                 | VOLTAGE RANGE <small>Note.4</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2 ~ 30VDC                                                                                                                             |
|                                 | CURRENT ACCURACY (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ± 5% at 24VDC input                                                                                                                   |
|                                 | RIPPLE & NOISE(max.) <small>Note.2</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.5Vp-p                                                                                                                               |
|                                 | SWITCHING FREQUENCY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1000KHz                                                                                                                               |
|                                 | EXTERNAL CAPACITANCE LOAD (max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2.2uF                                                                                                                                 |
| INPUT                           | VOLTAGE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6 ~ 36VDC                                                                                                                             |
|                                 | EFFICIENCY (max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 95% at full load and 24VDC/36VDC input                                                                                                |
|                                 | DC CURRENT <small>Full load Note.3</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 990mA                                                                                                                                 |
|                                 | <small>No load</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5mA                                                                                                                                   |
| FILTER                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Capacitor                                                                                                                             |
| PWM DIMMING & ON/OFF CONTROL    | REMOTE ON/OFF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Leave open if not use<br>Power ON with dimming: DIM ~ -Vin > 2.6 ~ 5.5VDC or open circuit<br>Power OFF : DIM ~ -Vin < 0.4VDC or short |
|                                 | PWM FREQUENCY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 100 ~ 500Hz                                                                                                                           |
|                                 | QUIESCENT INPUT CURRENT IN SHUTDOWN MODE(max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1mA at PWM dimming OFF and 24VDC input                                                                                                |
|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                       |
| ANALOG DIMMING & ON/OFF CONTROL | REMOTE ON / OFF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Leave open if not use<br>Power ON with dimming : DIM ~ -Vin>0.5~2.5VDC or open circuit<br>Power OFF : DIM ~ -Vin<0.4VDC or short      |
|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                       |
|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                       |
| PROTECTION                      | SHORT CIRCUIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Regulated at rated output current<br>Protection type: Can be continued, recovers automatically after fault condition is removed       |
|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                       |
| ENVIRONMENT                     | WORKING TEMP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -40 ~ + 71℃ (Refer to derating curve)                                                                                                 |
|                                 | WORKING HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 20% ~ 90% RH                                                                                                                          |
|                                 | STORAGE TEMP., HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -55 ~ +125℃, 10 ~ 95% RH                                                                                                              |
|                                 | TEMP. COEFFICIENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ±0.03% / °C                                                                                                                           |
|                                 | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes                                                              |
|                                 | OPERATING CASE TEMP. (max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 100℃                                                                                                                                  |
| EMC                             | SAFETY STANDARDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EAC TP TC 020/2011 approved                                                                                                           |
|                                 | EMC EMISSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Compliance to BS EN/EN55015, FCC part 15 class B, EAC TP TC 020                                                                       |
|                                 | EMC IMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Compliance to BS EN/EN61000-4-2,3,4,6,8, light industry level, criteria A, EAC TP TC 020                                              |
| OTHERS                          | MTBF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1000Khrs min. MIL-HDBK-217F (25℃)                                                                                                     |
|                                 | DIMENSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 31.8*20.3*12.2mm or 1.25**0.8**0.48" inch (L*W*H)                                                                                     |
|                                 | WEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 15.6g                                                                                                                                 |
|                                 | POTTING MATERIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Expoxy(UL94-V0)                                                                                                                       |
| NOTE                            | 1.All parameters are specified at normal input(24VDC), rated load, 25℃ 70% RH ambient.<br>2.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf capacitor.<br>3.Test condition: 36VDC input.<br>4.Output voltage will always step down by 3 volts from input DC voltage.<br>5.The output of LDD-L should not be connected to the input of the same unit or output from other sources.<br>※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a> |                                                                                                                                       |

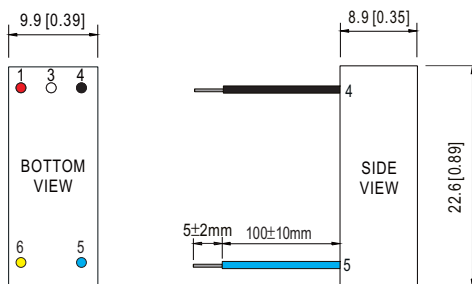
### Mechanical Specification

#### Blank type(LDD-300~700L):

Unit: mm (inch)

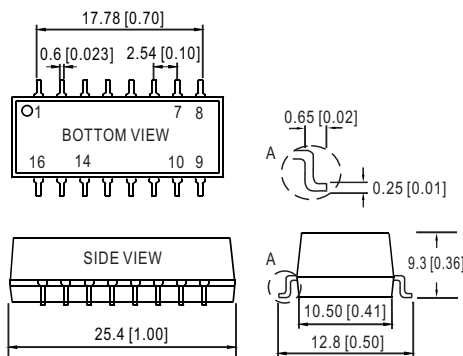

NOTE: Pin tolerance  $\pm 0.05\text{mm}$ 

#### W type(LDD-300~700LW):

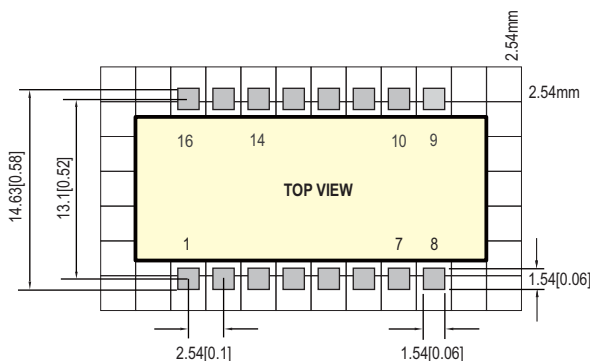


NOTE: All wires UL3385 22AWG

#### S type(LDD-300~700LS):



### Recommended PCB layout (for LDD-300~700LS)



### Pin Configuration

| Pin No. | Comment                                                       |
|---------|---------------------------------------------------------------|
| 1       | +Vin<br>DC Supply                                             |
| 3       | PWM DIM<br>ON/OFF and PWM Dimming<br>(Leave open if not used) |
| 4       | -Vin<br>Don't connect to -Vout                                |
| 5       | -Vout<br>LED - Connection                                     |
| 6       | +Vout<br>LED + Connection                                     |

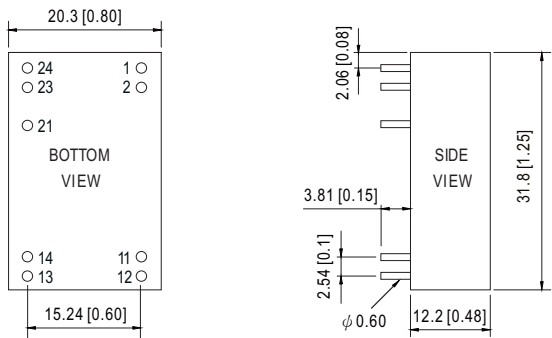
| Pin No. | Comment                                                                  |
|---------|--------------------------------------------------------------------------|
| 1       | +Vin<br>(Red)<br>DC Supply                                               |
| 3       | PWM DIM<br>(White)<br>ON/OFF and PWM Dimming<br>(Leave open if not used) |
| 4       | -Vin<br>(Black)<br>Don't connect to -Vout                                |
| 5       | -Vout<br>(Blue)<br>LED - Connection                                      |
| 6       | +Vout<br>(Yellow)<br>LED + Connection                                    |

| Pin No. | Comment                                                       |
|---------|---------------------------------------------------------------|
| 1       | +Vin<br>DC Supply                                             |
| 7,8     | +Vout<br>LED + Connection                                     |
| 9,10    | -Vout<br>LED - Connection                                     |
| 14      | PWM DIM<br>ON/OFF and PWM Dimming<br>(Leave open if not used) |
| 16      | -Vin<br>Don't connect to -Vout                                |
| others  | N.C<br>LED - Connection                                       |

■ Mechanical Specification

Blank type(LDD-1000L):

Unit: mm (inch)

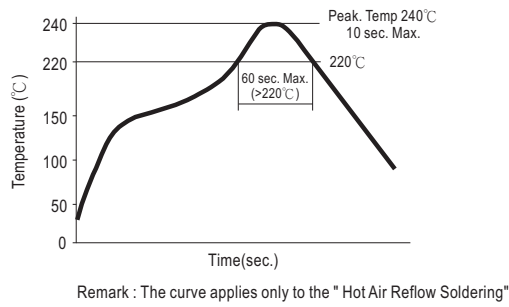


NOTE: Pin tolerance  $\pm 0.05\text{mm}$

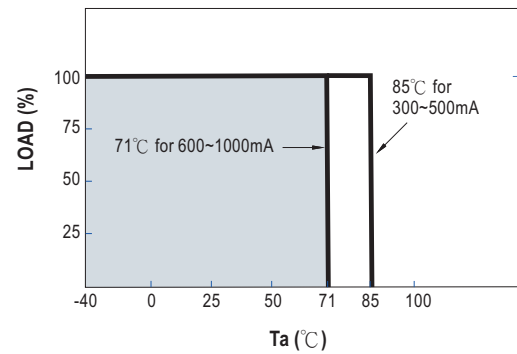
■ Pin Configuration

| Pin No. |                 | Comment                                                  |
|---------|-----------------|----------------------------------------------------------|
| 1,2     | -Vin            | Don't connect to -Vout                                   |
| 11,12   | -Vout           | LED - Connection                                         |
| 13,14   | +Vout           | LED + Connection                                         |
| 21      | PWM +analog DIM | ON/OFF and PWM / analog Dimming (Leave open if not used) |
| 23,24   | +Vin            | DC Supply                                                |

### ■ Reflow Soldering Curve (for LDD-300~700LS)

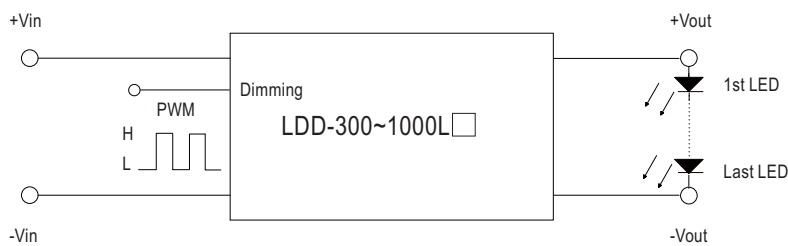


### ■ Derating Curve



### ■ PWM Dimming Control (for 300~1000mA)

Io Adjustment by PWM signal :



300 ~ 700mA :

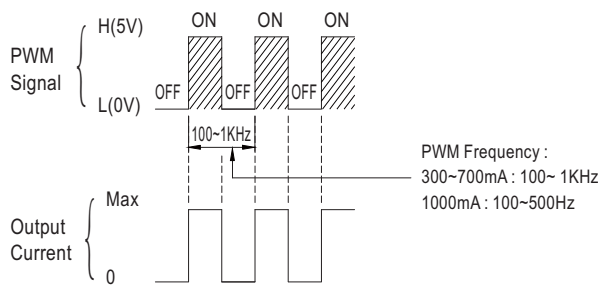
H: > 3.5~8VDC or open circuit

L: < 0.5VDC or short

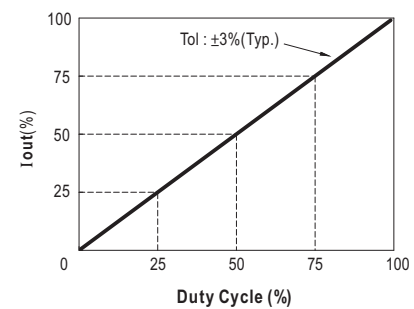
1000mA :

H: > 2.6~5.5VDC or open circuit

L: < 0.4VDC or short

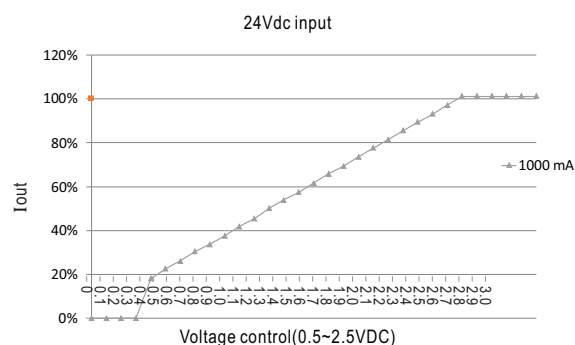
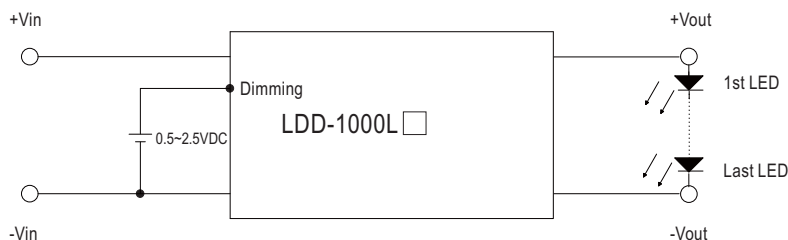


© During PWM dimming operation, the output current will change to PWM style.



### ■ Analog Dimming Control for 1000~ 1500mA only

Io Adjustment by DC voltage :



### ■ Efficiency VS Output Voltage(Number of LEDs)

Fig-1 12VDC input, 1~3 LEDs( $V_f=3V$ )

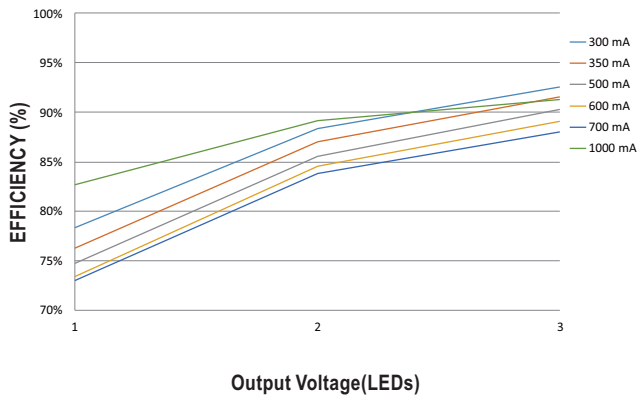


Fig-2 24VDC input, 1~7 LEDs( $V_f=3V$ )

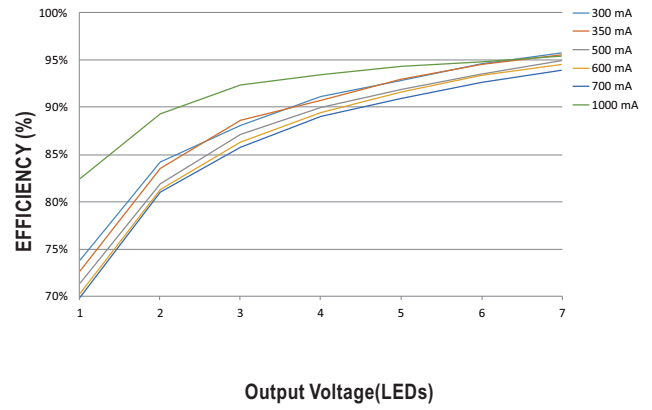
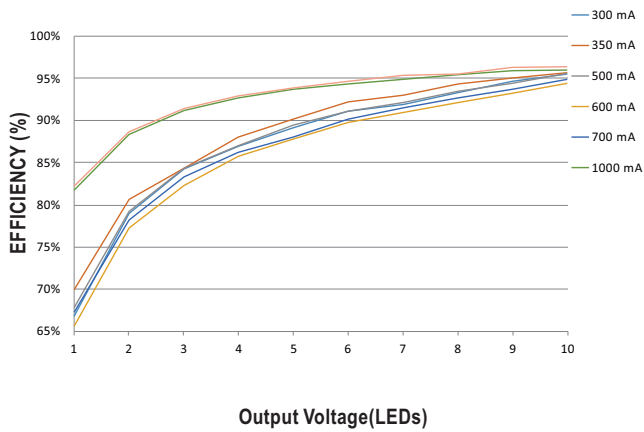
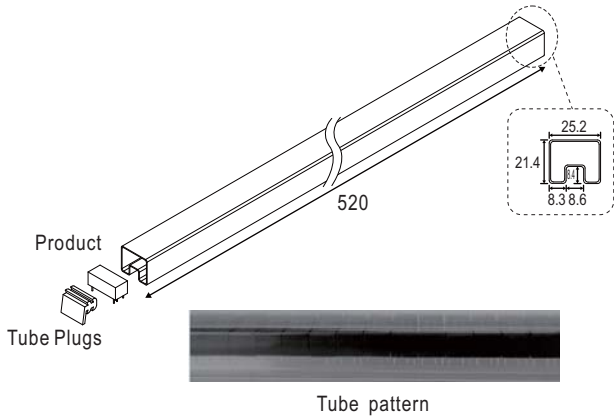
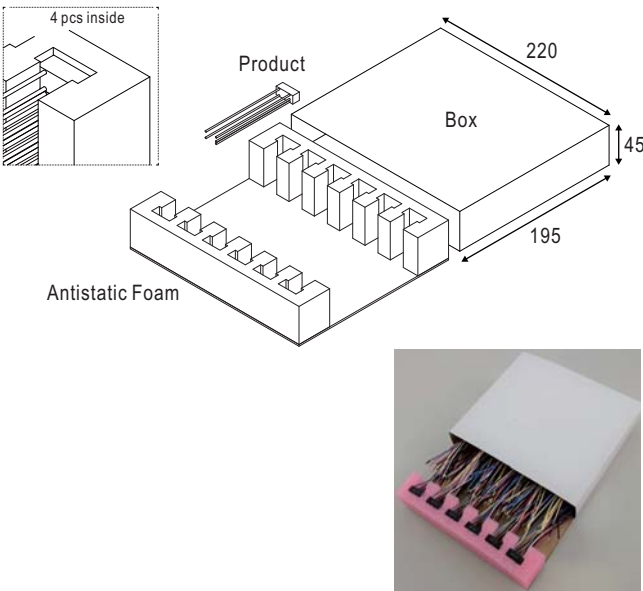


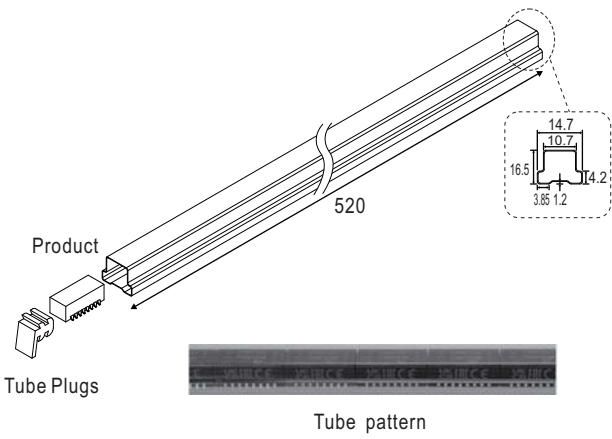
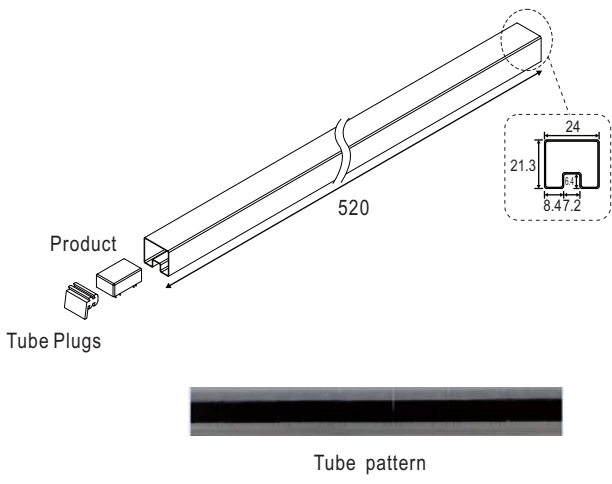
Fig-3 36VDC input, 1~10 LEDs( $V_f=3V$ )



**Packing**

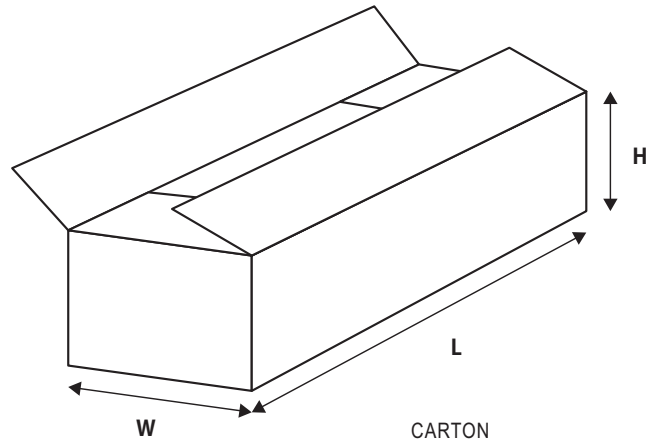
| Standard Tube Packing                                                                                | LDD-L                    |                  |                           |                    |
|------------------------------------------------------------------------------------------------------|--------------------------|------------------|---------------------------|--------------------|
|                                                                                                      | MPQ<br>Per Tube<br>(PCS) | One Tube<br>G.W. | Max. Q'TY/<br>Carton(PCS) | One Carton<br>G.W. |
| <p>Unit : mm</p>   | 50                       | 280g             | 2500                      | 14.8Kg             |
|                                                                                                      | LDD-LW                   |                  |                           |                    |
|                                                                                                      | MPQ<br>(Box)             | One Box<br>G.W.  | Max. Q'TY/<br>Carton(PCS) | One Carton<br>G.W. |
| <p>Unit : mm</p>  | 48                       | 430g             | 576                       | 5.96Kg             |



| Standard Tube Packing                                                                                | LDD-LS                   |                  |                           |                    |
|------------------------------------------------------------------------------------------------------|--------------------------|------------------|---------------------------|--------------------|
|                                                                                                      | MPQ<br>Per Tube<br>(PCS) | One Tube<br>G.W. | Max. Q'TY/<br>Carton(PCS) | One Carton<br>G.W. |
| <p>Unit : mm</p>   | 19                       | 100g             | 2280                      | 12.8Kg             |
|                                                                                                      | LDD-1000L                |                  |                           |                    |
|                                                                                                      | MPQ<br>Per Tube<br>(PCS) | One Tube<br>G.W. | Max. Q'TY/<br>Carton(PCS) | One Carton<br>G.W. |
| <p>Unit : mm</p>  | 15                       | 260g             | 750                       | 13.8Kg             |

**Standard Tube Packing**

Unit : mm



CARTON  
L600 x W230 x H220

**■ Installation Manual**

Please refer to : <http://www.meanwell.com/manual.html>