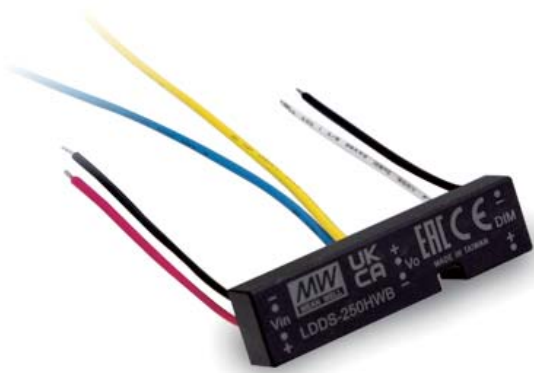




Наличие и актуальные цены на

LDDS-300HW

<https://www.mean-well.ru/store/LDDS-300HW/>



(Track adapter application)



■ Features

- DC/DC step-down converter
- Constant current output: 250mA to 1000mA
- Wide input voltage: 12 ~ 56VDC(48V typ.)
- Wide output LED forward string voltage: 2 ~ 45VDC
- High efficiency up to 96%
- Built-in EMI filter, comply with BS EN/EN55015
- 3 in 1 dimming and remote ON/OFF control.
- Protections: Short circuit / Over temperature / Over current
- Cooling by free air convection
- Compact size and Fully encapsulated
- Suitable for driving illumination LED
- 5 years warranty

■ Applications

- DC battery source lighting
- Portable lighting
- Commercial lighting
- DC 48V Track lighting
- DC 24V landscape lighting
- For STUCCHI track adapters
- For  class III application(SELV)

■ GTIN CODE

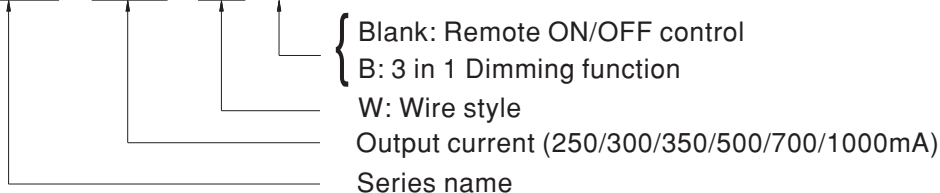
MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

■ Description

LDDS-H series is a 45W DC/DC LED drive featuring constant current output. LDDS-H operates from 12~56VDC and offers models with different rated current ranging between 250mA and 1000mA. With the high efficiency up to 96%, The 94V-0 flame retardant plastic case with fully-potted to enhance the heat dissipation allows this series to fit for class III commercial track light or DC bus lighting application.

■ Model Encoding

LDDS – 250 H W B

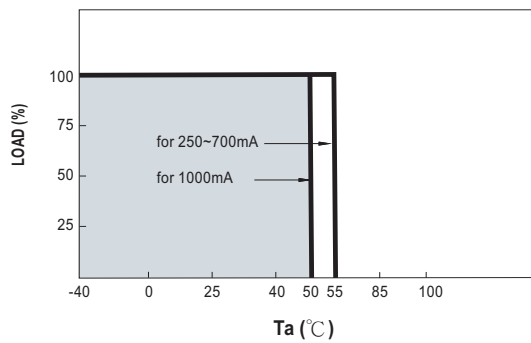




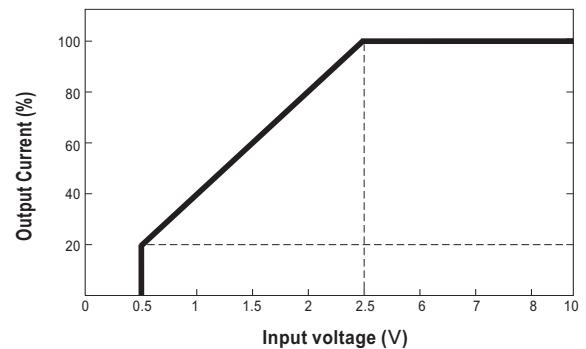
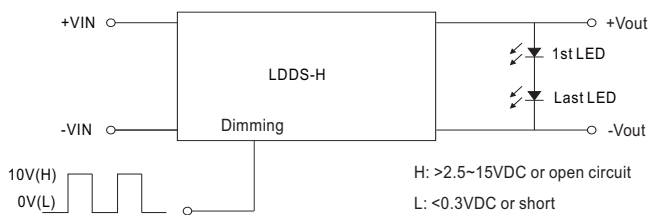
SPECIFICATION

ORDER NO.			LDDS-250HW ☐	LDDS-300HW ☐	LDDS-350HW ☐	LDDS-500HW ☐	LDDS-700HW ☐	LDDS-1000HW ☐
OUTPUT	CURRENT RANGE		250mA	300mA	350mA	500mA	700mA	1000mA
	VOLTAGE RANGE Note.4		2 ~ 45VDC					
	CURRENT ACCURACY (Typ.)		±5% at 48VDC input (or 24VDC)					
	RIPPLE & NOISE(max.) Note.2		150mVp-p	150mVp-p	200mVp-p	350mVp-p	350mVp-p	350mVp-p
	SWITCHING FREQUENCY		40KHz ~ 1000KHz					
	EXTERNAL CAPACITANCE LOAD (max.)		2.2uF					
INPUT	VOLTAGE RANGE		12 ~ 56VDC					
	EFFICIENCY (Typ.) Note.3		94%	95%				96%
	DC CURRENT	Full load Note.3	200mA	250mA	300mA	400mA	570mA	820mA
		No load	6mA					
	FILTER		Capacitor					
REMOTE ON/OFF & 3 IN 1 DIMMING	REMOTE ON/OFF		Leave open if not use					
			Power ON with dimming: DIM ~ -Vin >2.5 ~ 15VDC or open circuit					
			Power OFF : DIM ~ -Vin < 0.3VDC or short					
	PWM FREQUENCY		100 ~ 1KHz (4mA at PWM dimming off)					
	3 IN 1 DIMMING		0 ~ 10V / PWM / Resistor Dimming					
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					
			Protection type : Shut down, recovers automatically after temperature goes down					
ENVIRONMENT	WORKING TEMP.		-40 ~ + 55℃ (Refer to derating curve) @ full load					
	WORKING HUMIDITY		20% ~ 90% RH non-condensing					
	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.)		90℃					
SAFETY & EMC	SAFETY STANDARDS		EAC TP TC 020/2011 approved					
	EMC EMISSION		Compliance to BS EN/EN55015, 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		650Khrs min. MIL-HDBK-217F (25℃)					
	DIMENSION		47*12*7mm or 1.85**0.47**0.28" inch (L*W*H)					
	PACKING		LDDS-HW: 9.5g, 36pcs/box, 0.43kg/box. 12 box per carton/6kg LDDS-HWB: 9.4g, 36pcs/box, 0.43kg/box. 12 box per carton/6kg					
	POTTING MATERIAL		Epoxy(UL94-V0)					
NOTE	1.All parameters are specified at normal input(48VDC), rated load, 25℃ 70% RH ambient. 2.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1μf capacitor. 3.Test condition: 48VDC input, 36VDC output without Dimming. 4.Output voltage will always step down 4 volts from input DC voltage. 5.The output of LDDS-H should not be connected to the input of the same unit or output from other sources. ※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx							

Derating Curve

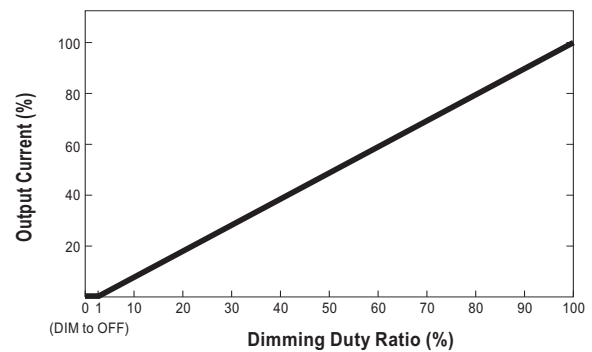
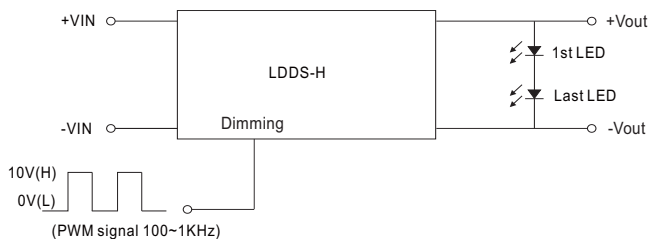


Standard Application(LDDS-HW series)(Remote ON/OFF control)

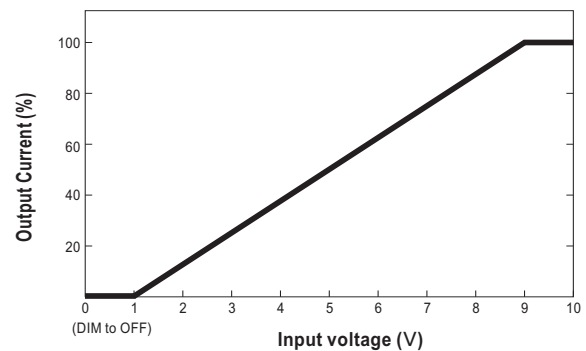
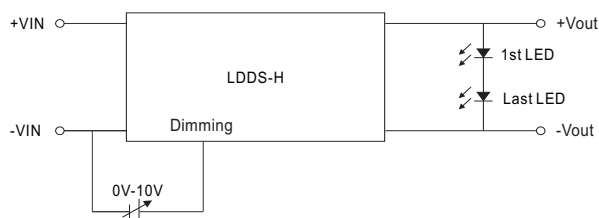


3 in 1 Dimming Control(LDDS-HWB series)

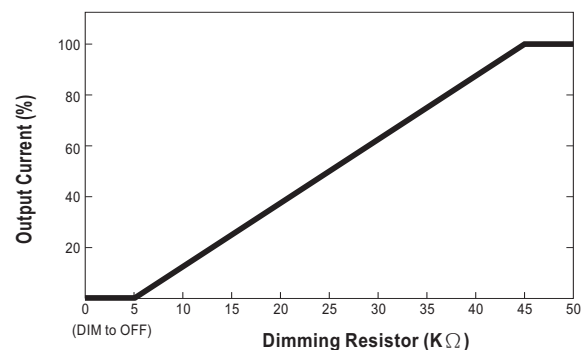
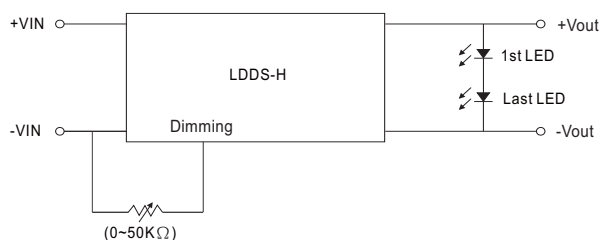
◎ Applying additive 10VDC PWM signal



◎ Applying additive 0~10VDC

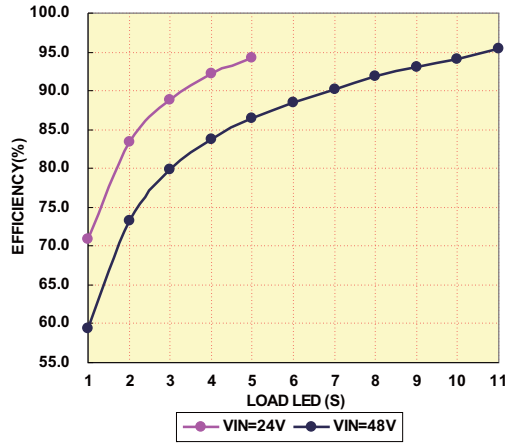


◎ Applying additive resistance

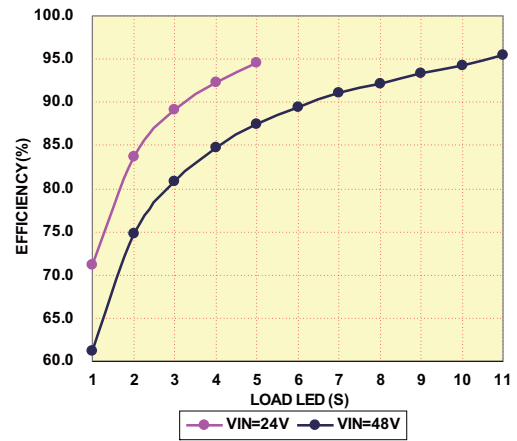


■ Efficiency VS Output Voltage(Number of LEDs)

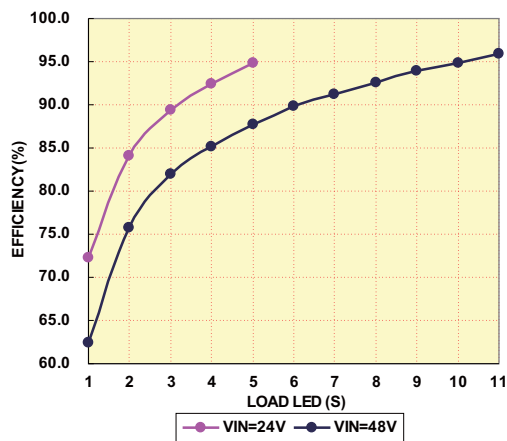
OUTPUT CURRENT 250mA



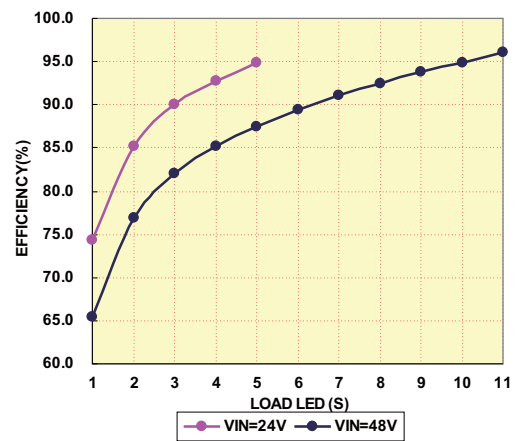
OUTPUT CURRENT 300mA



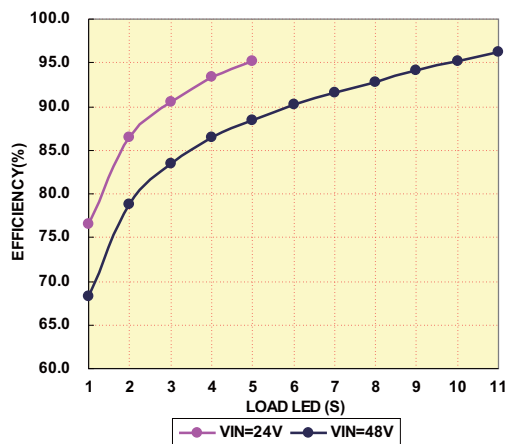
OUTPUT CURRENT 350mA



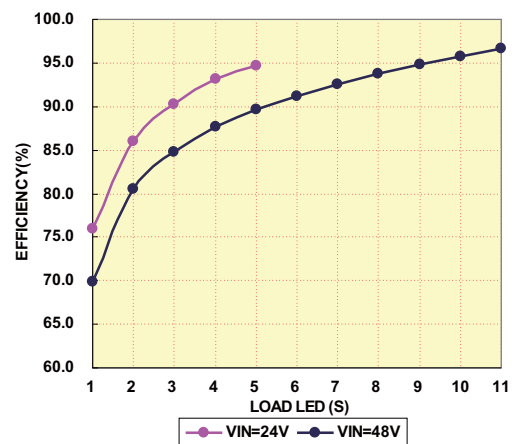
OUTPUT CURRENT 500mA



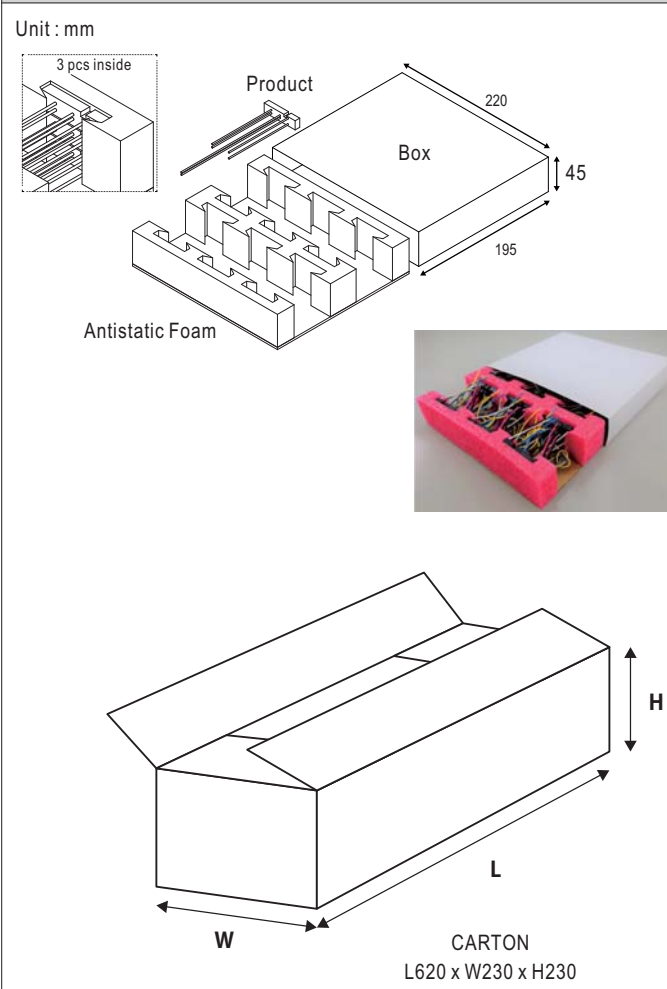
OUTPUT CURRENT 700mA



OUTPUT CURRENT 1000mA



Packing

Standard Packing	MPQ (Box)	One Box G.W.	Max. Q'TY/ Carton(PCS)	One Carton G.W.
Unit : mm  3 pcs inside Product Box 220 45 195 Antistatic Foam CARTON L620 x W230 x H230	36	430g	432	6Kg

Installation Manual

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