

Project Name:	
Type:	

LD024D-VA-M28

24W Constant Voltage
LED Driver with TRIAC Dimming

PRODUCT OVERVIEW:

- Input range from 108 to 132 VAC
- Constant Voltage design (C.V mode)
- Suitable for Trailing and Leading edge dimmers
- Fully Potted suitable for dry and damp location applications.
- Protections : Over current / Short Circuit/ Over Voltage/ Over Temperature
- 3 Years warranty



PRODUCT MODEL :

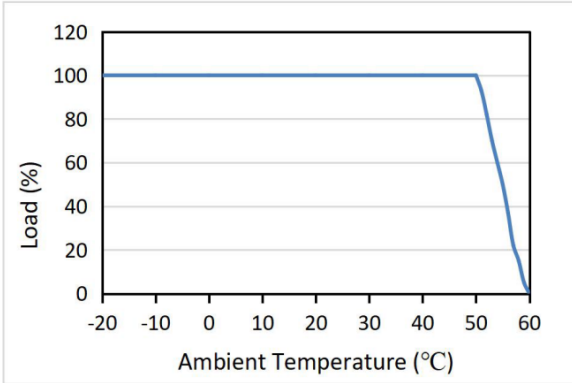
MODEL NO.		LD024D-VA20012-M28	LD024D-VA10024-M28
OUTPUT	DC VOLTAGE RANGE (VF)	12V	12v
	RATED CURRENT	0 - 2000mA	0 - 1000mA
	RATED MAX POWER	24W	24W
	VOLTAGE TOLERANCE	5%	5%
	RIPPLE & NOISE (MAX) <small>NOTE.2</small>	400 Vp-p	500 Vp-p
	EFFICIENCY <small>NOTE.1</small>	>75%	>75%
	SET UP TIME (MAX)	0.5S / 120Vac at full load	
INPUT	VOLTAGE RANGE	108 - 132VAC	
	FREQUENCY RANGE	50 / 60Hz	
	AC CURRENT (MAX.)	0.4 A at 120VAC	
	POWER FACTOR	> 0.5 at 120Vac with full load	
	INRUSH CURRENT (MAX.)	≤ 45A at 120VAC	
	LEAKAGE CURRENT	<1mA/ 240VAC	
PROTECTIONS	OVER VOLTAGE	120% - 150% Output Hiccup mode, auto-recovery	
	OVER CURRENT	120% - 150% Output Hiccup mode, auto-recovery	
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed	
ENVIRONMENT	OPERATION TEMP.	-20°C ~ 50°C (Refer to output load derating curve)	
	OPERATION HUMIDITY	20% ~ 90% RH non-condensing.	
	STORAGE TEMP.	-20°C ~ +80°C	
	STORAGE HUMIDITY	10% ~ 90% RH	
SAFETY & EMC	SAFETY STANDARDS	meet UL8750 refer UL1310	
	WITHSTAND VOLTAGE	I/P - O/P: 1.25K AC	
	ISOLATION RESISTANCE	I/P - O/P: 100M ohms/ 500VDC at 25°C	
	EMC STANDARDS <small>NOTE.3</small>	meet FCC PART15	
CONNECTION	INPUT	UL rated, 18 AWG X 2 C(150 mm+/-10mm)	
	OUTPUT	UL rated, 20 AWG X 2 C(150 mm+/-10mm) . (Vo+, Vo-)	
OTHERS	MTBF	100K hours. @Ta=25°C	
	DIMENSION (L x W x H)	88.5 * 41.5 * 30.5 mm	
	PACKING (L x W x H)/ CARTON	44.5*27.5*21 cm	
CAUTION		1. All parameters NOT specially mentioned are measured at 120V/60Hz AC input, rated load and 25°C ambient temperature. 2. Ripple & Noise are measured at 20MHz bandwidth oscilloscope and with 0.1uF & 47uF paralleled capacitor. 3. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed	

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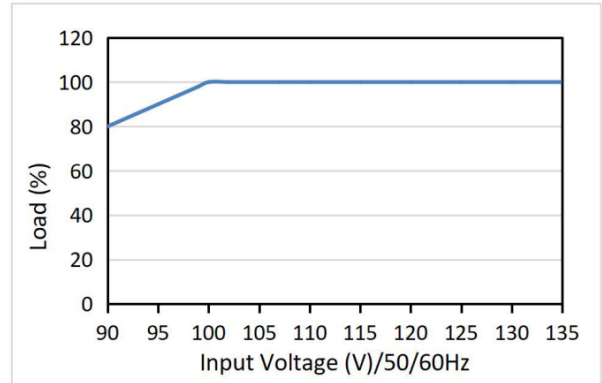
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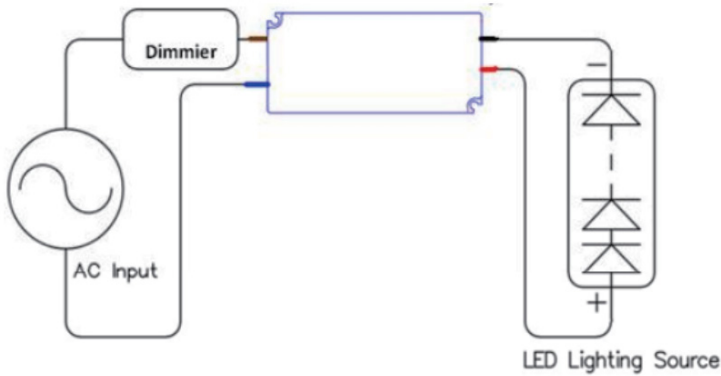
DERATING CURVE :



STATIC CHARACTERISTICS :



WIRING DIAGRAM :



DIMENSION :

88.5 *41.5 *30.5 mm

