

M28F- series



24-42W Constant Current LED Driver with Triac dimming

Features

- Input range from 108 to 132 VAC
- AC phasecut dimming
- Work with leading edge and trailing edge dimmers
- Built-in active PFC Function
- Constant Current design (C .C mode)
- Low Flicker Design
- Compact light weight in plastic application
- Designed for indoor application
- Protections: Over current/ Short Circuit
- 3 years warranty

Safety Approval



Specification

Model No.		LD024D-CA10024-M28F	LD028D-CA08336-M28F	LD030D-CA07042-M28F	LD036D-CA10036-M28F	LD042D-CA10042-M28F	LD042D-CA08054-M28F
Output	DC Voltage Range	15-24V	21-36V	27-42V	21-36V	27-42V	42-54V
	Rated Current	1000MA	830MA	700MA	1000MA	1000MA	800MA
	Current Tolerance	±5%	±5%	±5%	±5%	±5%	±5%
	Rated Power	24W	29.8W	29.4W	36W	42W	43.2W
	Ripple & Noise(Max.)	< 1Vp-p	< 1Vp-p	< 1Vp-p	< 1Vp-p	< 1Vp-p	< 1Vp-p
	Efficiency (TYP)	80%	83%	83%	83%	83%	83%
Input	Voltage & Frequency Range	120VAC±10% / 60Hz					
	AC Current (Max.)	< 0.266A					
	Power Factor	> 0.9 at 120Vac with full load.					
	Inrush Current (Max.)	< 20A at 120Vac					
	Leakage Current	< 1mA/120Vac					
Protections	Over Current	100% - 120% Constant current limiting, auto-recovery					
	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed					
Environment	Working Temp.	-20°C ~ 60°C (Refer to Derating cure)					
	Working Humidity	20% ~ 90% RH non-condensing.					
	Storage Temp., Humidity	-20 ~ +60°C , 10% ~ 90% RH					
Safety & EMC	Safety Standards	meet UL8750 refer UL1310					
	EMC Standards note.3	meet FCC PART15 CLASS B					
	Withstand Voltage	I/P - O/P: 1250VAC					
	Isolation Resistance	I/P-O/P: 100M ohms / 500VDC at 25 °C					
Connection	Input	UL rated, 18 AWG x 2 C(150mm)					
	Output	UL rated, 18 AWG x 2 C(150mm) , (Vo+, Vo-,)					
Others	MTBF	100K hours min. @Ta=25 °C					
	Dimension(L*W*H)	88.5 * 41.5 * 30.5 mm					
	Packing(L*W*H)/Carton	445 * 275 * 210 mm ; 200g /pcs					

Note 1. All parameters NOT specially mentioned are measured at 230V AC input, rated load and 25°C ambient temperature.

2. Ripple & Noise are measured at 20MHZ bandwidth oscilloscope and with 0.1uf & 47uf parallel capacitor.

3. The power supply is considered a component which will be installed a final equipment.

The final equipment must be re - confirmed that it still meets EMC directives.