LED Driver

LP1017-xx Series

Switch-Mode LED Driver

Total Power17 WattsInput Voltages90 ~ 264 VAC or 100-277VACNumber of OutputsOne

Product Specifications

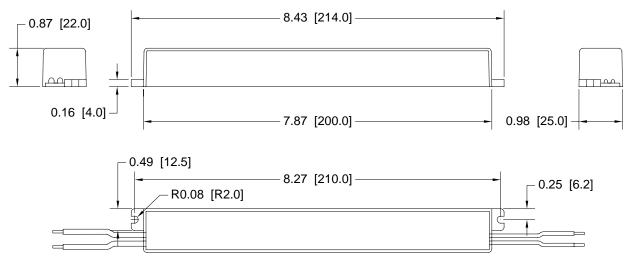
ANZ#: Z107f, May 18, 2009

SPECIAL FEATURES		L SPECIFICATIONS		
• UL48, Class 2 compliant		Input range	90 ~ 264 VAC, Full range or 100~277VAC	
• Single output, constant current or constant		Frequency	47 to 63 Hz	
voltage design		Power Factor	> 0.92 at full load, 115VAC	
• IP66 compliant		Crest Factor	1.5 max.	
•		Inrush current	10.0 Amps maximum at 230VAC, cold start, 25° (
• Suitable for dry or damp locations		Input current	0.3 Amps maximum at 115VAC	
• Designed for outdoor or indoor applications		Efficiency	82% typical at maximum load	
• Convection cooled in plastic enclosure		EMI filtering	47CFR, Part 2, Part 15 and Cispr PUB, 22 Class B	
• Compact, lightweight		Maximum power	17W	
		Current Accuracy	$\pm 1\%$ (when applicable)	
Active PFC reduces power consumption		Load regulation	±3%	
ENVIRONMENTAL		Leakage Current	300uA typ.	
Operating temperature:	-30 to 60 ° C	Hold up time	Half cycle minimum at 120 VAC and 80% of rated	
(De-rating : 1% per	° C from 60~70°C)	load	
Storage temperature:	-40 to +85° C	Protection	Over-voltage, Over current and Short circuit	
Humidity (Non-Condensing):	5% to 95%		protection: Auto-recovery	
Cooling:	Convection	SAFETY		
Vibration Frequency:	5 to 50 Hz	UL	UL48, Class 2 compliant	
MTBF: >100,000 Hours at f	full load and 25°C	cUL	CUL48, Class 2 compliant	
ambient conditions	. ,	CE		
EMC : Compliant to 47CFF				
Cispr PUB, 22 Class	s B			

	Constant Voltage Mode			Model Number	Constant Current Mode		
Model Number	Output				Output		
	V (DC)	A (mA)	Watts		V (DC)	A (mA)	Watts
LP1017-36	36, ±5%	470	17	LP1017-36-C0470	18~ 36	470, ±5%	17
LP1017-24	24, ±5%	700	17	LP1017-24-C0700	12~ 24	700, ±5%	17
LP1017-12	12, ±5%	1400	17	LP1017-12-C1400	6 ~ 12	1400, ±5%	17

Note: The output current of Constant Current models are adjustable at factory from 50% ~ 100%. The minimum load required is 40% for the Constant Voltage versions.

MECHANICAL DRAWING



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