LED Driver

LP1017-xx Series

Switch-Mode LED Driver

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

Product Specifications

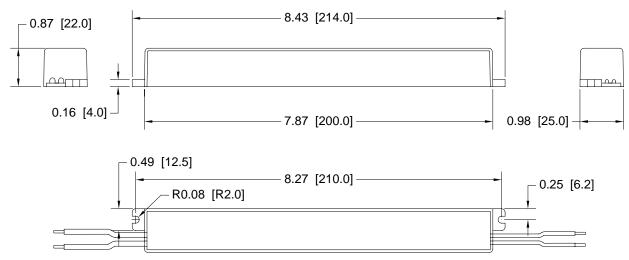
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SPECIAL FEATURES	ELECTRICA	L SPECIFICATIONS	
• UL48, Class 2 compliant	Input range	90 ~ 264 VAC, Full range or 100~277VAC	
• Single output, constant current or constant	stant Frequency	47 to 63 Hz	
voltage design	Power Factor	> 0.92 at full load, 115VAC	
• IP66 compliant	Crest Factor	1.5 max.	
1	Inrush current	10.0 Amps maximum at 230VAC, cold start, 25° C	
• Suitable for wet or damp locations	Input current	0.3 Amps maximum at 115VAC	
 Designed for outdoor or indoor applic 		82% typical at maximum load	
Convection cooled in plastic enclosure	e 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 consumpti	Loud regulation	$\pm 3\%$	
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	0~70°C)	load	
Storage temperature: $-40 \text{ to } +8$	5° C Protection	Over-voltage, Over current and Short circuit	
Humidity (Non-Condensing): 5% to 959	%	protection: Auto-recovery	
Cooling: Convection	on SAFETY		
Vibration Frequency: 5 to 50 Hz	z UL	UL48, Class 2 compliant	
MTBF: >100,000 Hours at full load and	25℃ _{cUL}	CUL48, Class 2 compliant	
ambient conditions (MIL-217F)	CE	r, r	
EMC : Compliant to 47CFR, Part 2, Pa	rt15 and		
Cispr PUB, 22 Class B			

	Const	Constant Voltage Mode			Constant Current Mode		
Model Number	Output		Model Number	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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