

LED Driver

Product Specifications

ANZ#: Z107f, May 18, 2009

LP1017-xx Series	
Switch-Mode LED Driver	
Total Power	17 Watts
Input Voltages	90 ~ 264 VAC or 100-277VAC
Number of Outputs	One

SPECIAL FEATURES

- UL48, Class 2 compliant
- Single output, constant current or constant voltage design
- IP66 compliant
- Suitable for dry or damp locations
- Designed for outdoor or indoor applications
- Convection cooled in plastic enclosure
- Compact, lightweight
- Active PFC reduces power consumption

ELECTRICAL SPECIFICATIONS

Input range	90 ~ 264 VAC, Full range or 100~277VAC
Frequency	47 to 63 Hz
Power Factor	> 0.92 at full load, 115VAC
Crest Factor	1.5 max.
Inrush current	10.0 Amps maximum at 230VAC, cold start, 25° C
Input current	0.3 Amps maximum at 115VAC
Efficiency	82% typical at maximum load
EMI filtering	47CFR, Part 2, Part 15 and Cispr PUB, 22 Class B
Maximum power	17W
Current Accuracy	±1% (when applicable)
Load regulation	±3%
Leakage Current	300uA typ.
Hold up time	Half cycle minimum at 120 VAC and 80% of rated load
Protection	Over-voltage, Over current and Short circuit protection: Auto-recovery

ENVIRONMENTAL

Operating temperature:	-30 to 60 ° C (De-rating : 1% per ° C from 60~70°C)
Storage temperature:	-40 to +85° C
Humidity (Non-Condensing):	5% to 95%
Cooling:	Convection
Vibration Frequency:	5 to 50 Hz
MTBF:	>100,000 Hours at full load and 25°C ambient conditions (MIL-217F)
EMC :	Compliant to 47CFR, Part 2, Part15 and Cispr PUB, 22 Class B

SAFETY

UL	UL48, Class 2 compliant
cUL	CUL48, Class 2 compliant
CE	

Model Number	Constant Voltage Mode			Model Number	Constant Current Mode		
	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

