

# LPT30A SERIES

## 30W LED Driver - Switching Power Supply .

### Description:

The LPT30A series of LED Driver provide 30w of continuous output power. The input voltage is available from 170VAC~264VAC. All models are designed to comply with UL1310 Class 2, EN61347, IEC61347,EN55015 and RoHS compliance. The LPT30A can be used for various Led lights.



### Features:

- Active Power Factor Correction
- Meet Energy Star 2.0, Efficiency level V
- Single Output
- Constant Output Current
- 2 year warranty

### Safety Approvals:



### Electrical Characteristics:

Sym.	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Vin	Safety Approvals Input Voltage Range		180		240	VAC
	Operating Voltage		170		264	VAC
Fin	Input Frequency		50	Nil	60	Hz
Po	Output Power Range		0		30	W
Vo	Output Voltage Range		see rating chart			V
Io	Output Current Range		see rating chart			A
PF	Power Factor Correction	Io=Full Load, Vin=230VAC	0.9	0.92		
Iil	Input Current (Low Line)	Io=Full load, Vin=180VAC			0.35	A
Iih	Input Current (High Line)	Io=Full Load, Vin=240VAC			0.30	A
Irh	Inrush Current (High Line)	Io=Full Load, 25°C, Vin=240VAC		23	30	A
Eff	Efficiency	Io=Full Load, Vin=230VAC	83.5	85		%
Ts	Start Up Time	Io=Full Load, Vin=180VAC		3	5	S
Vp-p	Ripple & Noise(Peak to Peak)	Io=Full Load, Vin=170VAC			6.0	Vp-p
Ilk	Leakage Current	Io=Full Load, Vin=240VAC			0.5	mA
OLP	Over Load Protection		110		150	%
REG-i	Line Regulation	Io=Full Load		0.5	1	%
REG-o	Load Regulation	Vin=230VAC			10	%
Thold	Hold-Up Time	Io=Full Load, Vin=220VAC	1			mS

### Conditions :

Sym.	Parameter	Test Conditions	Min	Typ.	Max.	Unit
Toper	Operating Temperature		0	40	70	°C
Tstg	Storage Temperature		-40		85	°C
Ho	Operating Humidity		0		95	%
Hr	Storage Humidity		0		75	%
MTBF	Operation Temperature at 25°C, calculated per MIL-HDBK-217F		0.1M			Hours

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### Safety Specifications :

Sym.	Parameter
CE	EN55015
EMI	EN61000-3-2/EN61000-3-3
EMS	EN61547/EN61000-4-2/EN6100-4-3/EN61000-4-4/EN61000-4-5/EN61000-4-6/EN61000-4-8 EN61000-4-11
Safety	EN61347

### Output Voltage And Current Rating Chart ( Single Output ) :

Model Number	Output Voltage	Max. Constant Current	Max. Output Power
LPT30A-105	8.4 ~ 13.8 VDC	2.50 A	30W
LPT30A-108	16.8 ~ 27.6 VDC	1.25 A	30W
LPT30A-110	25.2 ~ 41.4 VDC	0.833 A	30W

### PIN CHART

MODEL \ PIN	1	2	3	4	5
LPT30A-105	LINE	N/C	NEUTRAL	RTN	OUT
LPT30A-108	LINE	N/C	NEUTRAL	RTN	OUT
LPT30A-110	LINE	N/C	NEUTRAL	RTN	OUT

### Mechanical Specifications:

Note:

1. Dimensions are shown in inches or mm.
2. Weight: 150gs approx.
3. Input connect mates with AWG#16 wire.
4. Output connect mates with AWG#20 wire.

