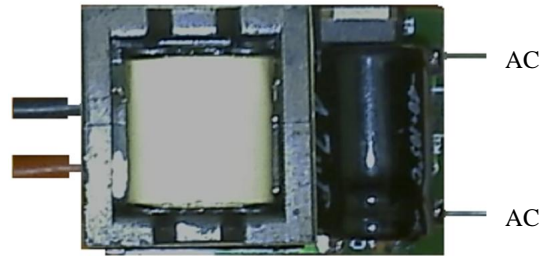


# WTHC351/303/701

## HV 1W / 3W LED Driver

### General Description

The WTHC351/303/701 are AC-DC LED drivers ideally for 1\*1W / 3\*1W / 1\*3W HB LED Lighting applications with universal input and smallest outline. The driver has a constant current to enhance the LEDs with a long life and optimum operation. Functioning with built-in soft start, output short circuit protection and over-voltage protection.



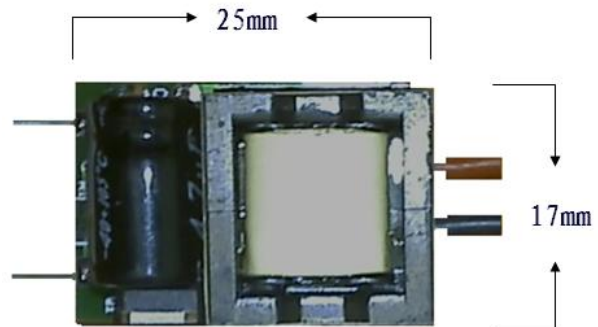
Driver Wiring Diagram

### Typical Applications

- GU10/E27/E26

### Features

- Input Voltage : 95 - 264V AC
- Frequency : 47 - 63Hz
- Smallest Size : 25 x 17 x 11.5mm
- Load Current : 300mA / 700mA
- LED String : 3\*1W / 1\*3W
- Efficiency : 70% @ 1\*3W, 95V AC  
80% @ 3\*1W, 95V AC
- Output Current Accuracy : 5%



Smallest Size (25 mm x 17x11.5 mm)

### Selection Guide

P/N	Input Voltage (V)	Output Current (mA)	LED (pcs)	Efficiency (%)	Input Power (w)	Test Conditions
WTHC351	AC 95 - 264V 47 - 63Hz	350 ± 15mA	1	70 (Max)	2.0 ± 0.1	<b>LED</b> VF=3.4V TA= 25°C
WTHC303		300 ± 15mA	3	80 (Max)	4.3 ± 0.1	
WTHC701		700 ± 20mA	1	70 (Max)	3.7±0.1	

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## HV 1W / 3W LED Driver

### Electrical Characteristics

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Working Voltage Range	Vin	1 LED / 3 LED	85	95 - 265	300	V AC
Input Voltage Frequency	Fin	95 - 264V AC	47	50 / 60	63	Hz
Power Dissipation	PD	1*3W 220V AC	3.6	3.7	3.9	W
		3*1W 220V AC	4.1	4.3	4.5	
Efficiency		95 - 264V AC	65	75	85	%
Start Time	St	220V AC / Full load	1	1.5	2	S
IP Range	IP	/	-	50	-	/

### Environmental Ratings

Parameter	Min.	Max.	Unit
Operating Ambient Temperature	- 20	+ 85	°C
Storage Ambient Temperature	- 40	+ 125	°C
Relative Humidity		80	%

