



Features:

- Universal AC input/ full range
- Small volume, low weight, high efficiency
- Protections : short circuit/over load/over voltage
- Cooling by free air convection
- Can be installed on DIN rail : TS-35/7.5 or TS-35/15
- 100% full load burn-in test
- 2 Years warranty

SPECIFICATION

Dimension: 78 × 93 × 56mm



Model		TLDR-12-42	TLDR-24-45
Output	DC voltage	12V	24V
	Voltage tolerance	± 1%	± 1%
	Rated current	3.5A	1.88A
	Current range	0 ~ 3.5A	0 ~ 1.88A
	Rated power	42W	45W
	Ripple&noise	100mVp-p	150mVp-p
	DC voltage ADJ. range	± 10%	± 10%
Setup, rise, hold up time		800ms,60ms,22ms/230VAC.	
Input	Voltage range	90 ~ 264VAC 47 ~ 63Hz, 127 ~ 373VDC	
	AC current	1.0A/110VAC 0.55A/220VAC	
	Efficiency	81%	83%
	Inrush current	Cold start 15A/110VAC 30A/220VAC	
	leakage current	< 1mA/240VAC	
Protection	Overload	Rated output power105%~150%Start overload protection	
		Protection type : hiccup mode, auto-recovery after fault condition is removed	
Protection	Over voltage	15.8 ~ 17.8V	30.8 ~ 33.8V
		Protection type : Shut off o/p voltage, clamping by zener diode	
Environment	Working temp, humidity	-20°C ~ +50°C;20% ~ 90%RH(Please refer to “derating curve” )	
	Storage temp, humidity	-40°C~+85°C;10%~95%RH Non-condensing	
Safety	Withstand vibration	10 ~ 500Hz, 5G 10min./1Cycle, Period for 60min, Each axes	
	Withstand voltage	I/P-O/P: 1.5KVAC	
	Isolation resistance	I/P-O/P: 100M Ohms/500VDC	
Fit standard	Safety standard	Compliance to UL 62368-1,TUV 62368-1,EN 62368-1	
	EMC Standard	Compliance to EN 55032, CLASSA	
Others	Dimension	78*93*56mm ( W*H*D )	
	Packing	0.28kg/30pcs/9.5kg	

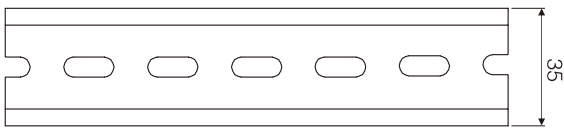
- Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  
 3. Tolerance : includes set up tolerance, line regulation and load regulation.

## Mechanical specification

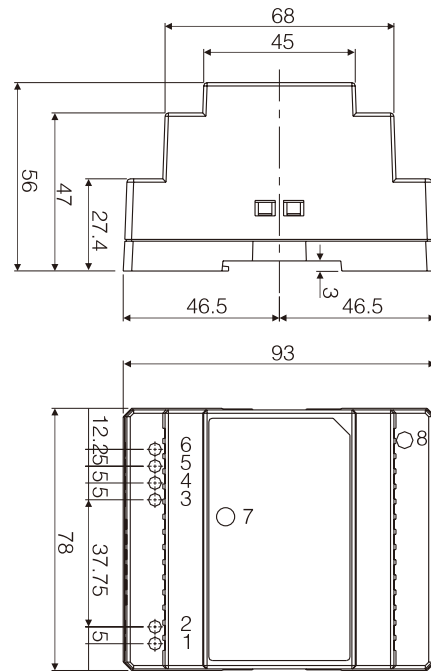
Unit:mm

### Terminal Pin No.Assignment

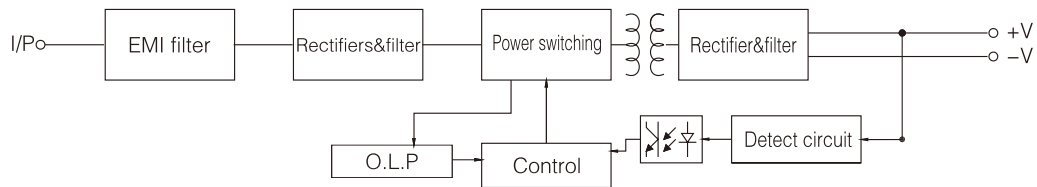
Pin NO.	Assignment	Pin NO.	Assignment
1	AC/L	5,6	+V
2	AC/N	7	LED
3,4	-V	8	+V ADJ.



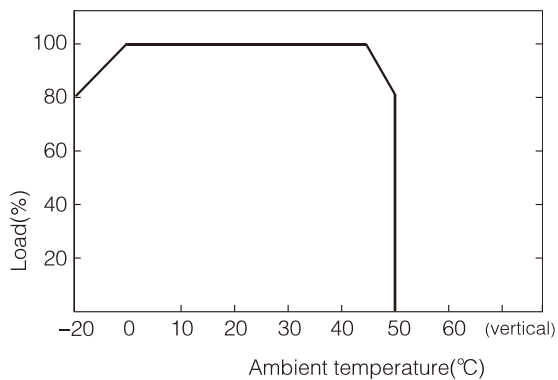
Install DIN rail:TS35/7.5 or TS35/15



## Block diagram



## Derating curve



## Static characteristic(24V)

