

## LED DRIVER

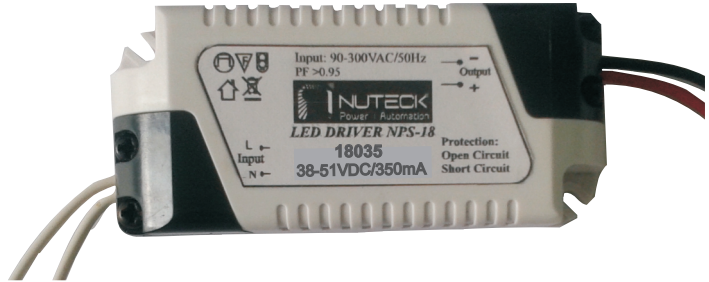
### NPS-18

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## Non-Dimmable Electronic Control Gear With Active PFC

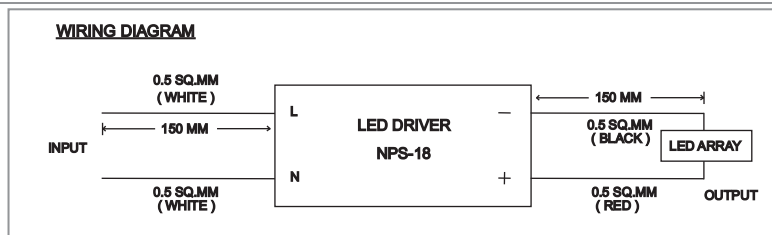
### • Features:

- Universal AC input 90VAC~ 300VAC
- Protections: Short Circuit / Overcurrent / Over voltage / Over Temperature
- Cooling by free air convection.
- Class II Power Unit, no FG
- Built in active PFC function
- Small and Compact size
- 100% Full Load Burn-in Test.
- Suitable for built in application of LED Lighting.
- Higher reliability, Low Cost



### SPECIFICATION

MODEL	12030	12035	15030	15035	15050	15070	18035	18050	18070	
Output	Rated Current	300mA	350mA	300mA	350mA	500mA	700mA	350mA	500mA	700mA
	LED Operation Voltage	30~40V	26~34V	37~50V	32~42V	22~30V	16~22V	38~51V	27~36V	19~25V
	Typical Output Power	12W		15W			18W			
	Current Accuracy	±5%								
Input	Voltage Range	90VAC~ 300VAC								
	Current @230VAC(Typ.)	64mA	80mA			96mA				
	Frequency Range	45Hz - 65Hz								
	Power Factor	>0.95 at 100% load								
	ATHD	<20%								
	Efficiency	>87%						>89%		
	Inrush Current	<10A At 230VAC								
Protection	Open LED Protection	Hiccup mode, recover automatically after fault condition is removed								
	Short Circuit	Hiccup mode, recover automatically after fault condition is removed								
Environment	Amb. Temp. Range	-10°C to +40°C.								
	Working Humidity	20% to 90% RH, None Condensing.								
	Storage Temp Humidity	-20°C to 85°C, 10% to 95% RH.								
Safety & EMC	Safety Standard	Designed to meet IS 15885-2-13, UL 60950-1								
	Withstand Voltage	I/P-O/P : 3KVAC								
	EMC Emission	Designed to meet EN 61000-3-2 Class C (>=75% load); EN 61000-3-3								
	EMC Immunity	Designed to meet EN 61000-4-2, 3, 4, 5, 6, 8, 11, EN 61547, Light industry level (Surge 2KV), Criteria A								
Others	Cooling	Natural Cooling.								
	Enclosure Protection	IP 20								
	Dimension	88x 38x 22mm (L*W*H)								
Note	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. 2. Tolerance : includes set up tolerance, line regulation and load regulation. 3. Specifications are subject to change without prior notice due to constant improvement in design & technology. 4. Constant current operation region is within 75% ~ 100% rated output voltage. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific systems.									



SMPS | DC DC Converters | Adapters | PoE Injectors & Splitters | Battery chargers | Battery Backup Systems  
 LED Drivers | OVP | AVR | Relay I/O Modules | Protection Relays | Surge Protectors | Inverters | Fan Controllers