

**50w 600mA**

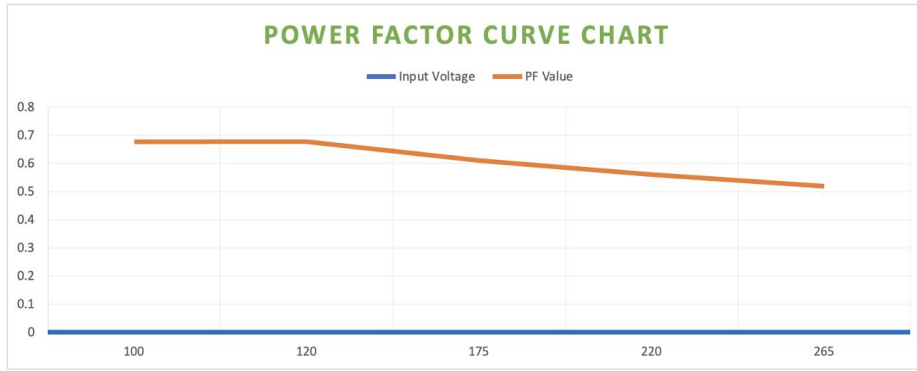
**LED DRIVER HG-D42**
**Characteristic**

- Galvanic Isolation
- Efficiency > 90%
- Power - 50W
- Ripple <2%

**Technical Parameter**

Input characteristic		
Input Voltage Range	V	100-260
Power consumption range	W	35-55
Frequency	Hz	50-60
Power factor correction ( $\lambda$ , AC 220V)	%	0.5
Efficiency	%	91%
Input Current (AC230V 50-60Hz)	A	<0.5
Output characteristic		
Output current regulation (dimming)		No
Dimming characteristic linearity	%	-
Output current tolerance	%	<5%
Output Ripple	%	<2%
Current	mA	600
Power	W	20
Voltage	V	54-85
No load voltage	V	90
Protection		
Short circuit protection		yes
Overvoltage protection		yes
Overload protection		yes
Operating and storage conditions		
Working temperature range	° C	- 20 ~ 50
Storage temperature range	° C	- 50 ~ 80
Maximum temperature enclosure	° C	55
Allowable humidity	%	5 ~ 95%(no condensation)
Degree of protection		IP00
Safety		
heat shrink tube insulation		yes
Breakdown voltage AC (input output), (input ground), (output ground)	KV	$\leq 2,0$
Insulation resistance between conductive part and shell	M $\Omega$	$\geq 200$
Standard		
Electromagnetic compatibility (electromagnetic stability)		-
Others		
Mean time to failure (MTBF) (85 ° C)	Hours	50000
Overall dimension (length x width x height)	mm	L94*W23*H20
Weight	kg	0.1kg
- The main parameters of the product are measured under 220V power supply voltage, full load of power output and 25 ° C ambient temperature.		

### Power factor characteristics(load 85Vdc)



### Efficiency characteristics( Input Voltage 220Vac)

