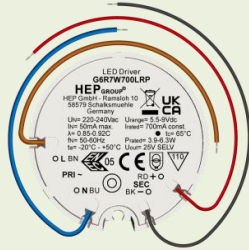


### Approval Marks



Item	Value	Remark
Nominal voltage	220–240V	
Nominal frequency	50–60Hz	
AC voltage range		
G6R7W150/350/500/700LRP	198–264V	
G6R7W300LRP	198-277V	
DC voltage range (start)	NA	
DC voltage range (operation)	NA	
Nominal current	50mA	
Total Harmonic Distortion (THD)	< 70	Full load @230VAC
Power factor	0.85C-0.92	Full load @230VAC
Displacement factor	0.85C-0.92	Full load @230VAC
Efficiency	81% (Typ.)	Full load @230VAC
No-load power	NA	
Stand-by power	NA	
Protection class	NA	
Inrush current	10A / 2us	
Max.units per circuit breaker	Type B , 10A MCB	80
	Type B , 16A MCB	128
	Type C , 10A MCB	100
	Type C , 16A MCB	160
Earth leakage current	NA	
Nominal voltage range		
G6R7W150LRP	32-42Vdc	
G6R7W300LRP	13-22Vdc	
G6R7W350LRP	13-22Vdc	
G6R7W500LRP	6-13Vdc	
G6R7W700LRP	5.5-9Vdc	
Maximum voltage		
G6R7W150LRP	55Vdc	
G6R7W300LRP	35Vdc	
G6R7W350LRP	35Vdc	

	Item	Value	Remark
	G6R7W500LRP	18Vdc	
	G6R7W700LRP	25Vdc	
	Nominal current range		
	G6R7W150LRP	150mA	
	G6R7W300LRP	300mA	
	G6R7W350LRP	350mA	
	G6R7W500LRP	500mA	
	G6R7W700LRP	700mA	
	Current accuracy		Full load @230VAC
Output	G6R7W300/350/500/700LRP	± 5%	
	G6R7W150LRP	± 8%	
	Typical output LF current ripple	± 5%	Low Frequency < 120Hz Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
	SVM	≤0.4	Full load @230VAC
	PstLM	≤1	Full load @230VAC
	Nominal power range		
	G6R7W150LRP	4.8-6.3W	
	G6R7W300LRP	3.9-6.6W	
	G6R7W350LRP	4.6-7.7W	
	G6R7W500LRP	3-6.5W	
	G6R7W700LRP	3.9-6.3W	
	Maximum power	7.7W	
Dimming	Dimming control	NA	
	Dimming technique	NA	
	PWM frequency	NA	
	Dimming range	NA	
	Lowest dimming current	NA	
	Galvanic isolation	NA	
	Ambient temperature range $t_a$	-20°C - +50°C	
	Maximum case temperature $t_c$		
	G6R7W150/300/350/700LRP	65°C	
	G6R7W500LRP	70°C	
	Max. case temp. in fault condition	110°C	When operating under fault conditions, the temperature of the enclosure at any location should not exceed 110 °C
	Storage temperature range	-25°C - +85°C	
	Relative humidity	10% - 95%	
Environment	Surge transient protection	1 kV	L/N
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	
	Expected lifetime		
G6R7W150LRP	Full Load	> 50,000 h, $t_c$ 65 °C @ $t_a$ 50 °C	0.2 % / 1,000 h failure rate
	Load ≅ 4.4W	> 50,000 h, $t_c$ 65 °C @ $t_a$ 60 °C	0.2 % / 1,000 h failure rate
G6R7W300LRP	Full Load	> 50,000 h, $t_c$ 65 °C @ $t_a$ 50 °C	0.2 % / 1,000 h failure rate
	Load ≅ 4.8W	> 50,000 h, $t_c$ 65 °C @ $t_a$ 60 °C	0.2 % / 1,000 h failure rate
G6R7W350LRP	Full Load	> 50,000 h, $t_c$ 65 °C @ $t_a$ 50 °C	0.2 % / 1,000 h failure rate
	Load ≅ 5.2W	> 50,000 h, $t_c$ 65 °C @ $t_a$ 60 °C	0.2 % / 1,000 h failure rate
G6R7W500LRP	Full Load	> 50,000 h, $t_c$ 70 °C @ $t_a$ 50 °C	0.2 % / 1,000 h failure rate
	Load ≅ 4.6W	> 50,000 h, $t_c$ 70 °C @ $t_a$ 60 °C	0.2 % / 1,000 h failure rate
G6R7W700LRP	Full Load	> 50,000 h, $t_c$ 65 °C @ $t_a$ 50 °C	0.2 % / 1,000 h failure rate
	Load ≅ 4.4W	> 50,000 h, $t_c$ 65 °C @ $t_a$ 60 °C	0.2 % / 1,000 h failure rate

<b>Packing</b>	Gross weight/box	11.4 kg
	Net weight/box	10.4 kg
	Pcs/box	90 PCS
	Dimension/box	240(L)*190(W)*185(H)mm

#### Protections

Short- circuit protection	Auto recovery
Open- circuit protection	Auto recovery
Overload protection	Auto recovery

#### Conformity & Standards

Safety standard:	EN 61347-1, EN 61347-2-13, EN 62493
Performance:	EN 62384
EMC standard:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547

#### Cable information

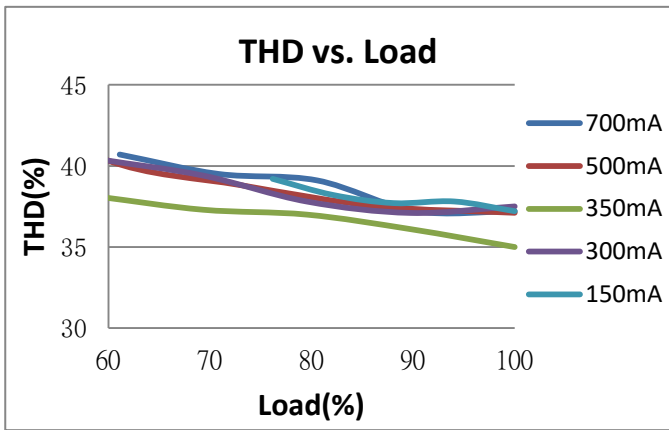
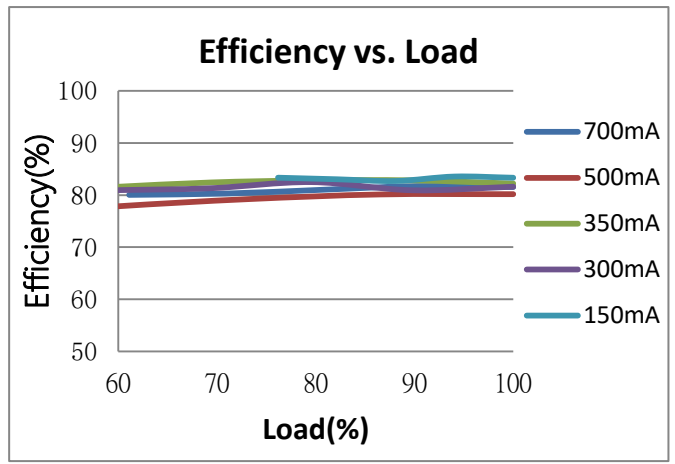
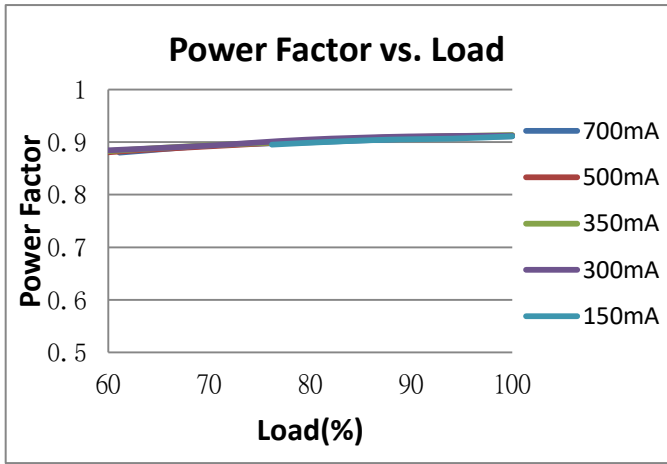
<b>PRI</b> Connection	L	N
Color	Brown	Blue
Wire type	7022	7022
Wire diameter	AWG20	AWG20
Wire length	141mm	140mm
Stripping	6mm	6mm
Tolerance	±5mm	±5mm

<b>SEC</b> Connection	+	-
Color	Red	Black
Wire type	1332	1332
Wire diameter	AWG22	AWG22
Wire length	142mm	143mm
Stripping	6mm	6mm
Tolerance	±5mm	±5mm

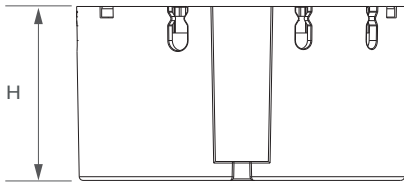
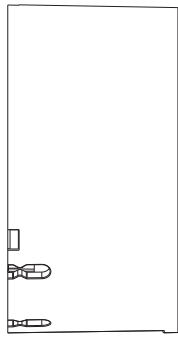
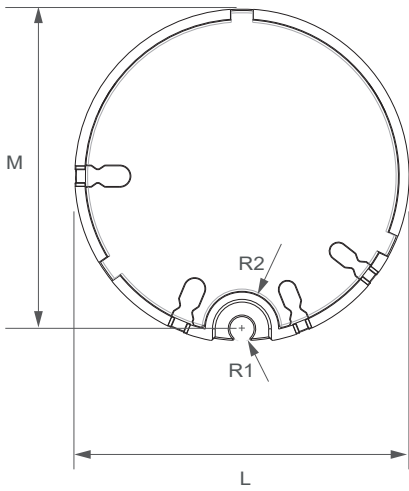
\*Subject to change without notice, HEP guarantees all products perform functionally well\*

\* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

**Electrical Values**



**Physical  
Parameter**



L : 43.8 mm    H : 23 mm  
M : 41.9 mm    R1: 1.6 mm    R2: 4.8 mm  
Tolerance : +/-1 mm , R : +/-0.5 mm  
Housing Material : Polycarbonate / Potting  
Soldering : Lead-Free, Comply With RoHS  
Label : Surface Print

**Wiring Diagram**

