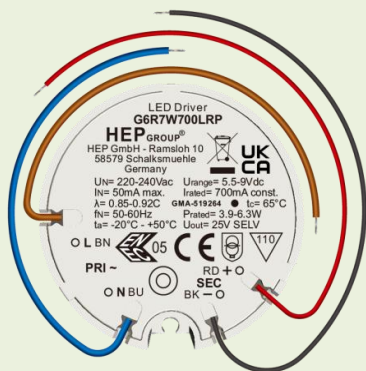




Approval



GMA-519264

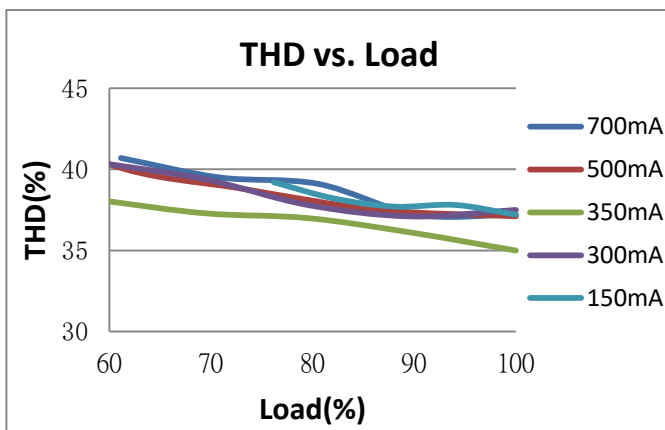
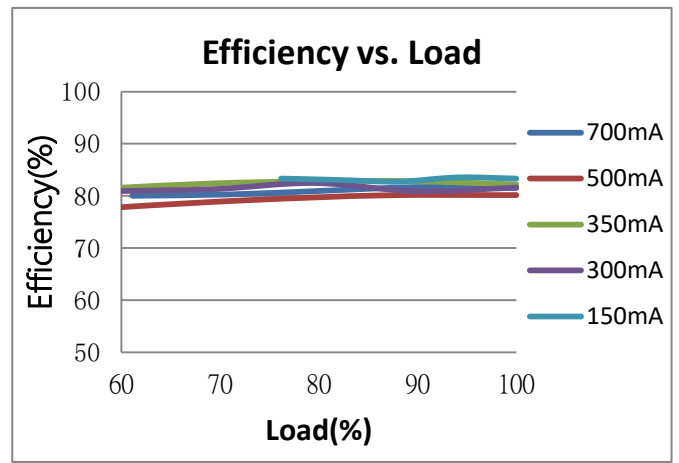
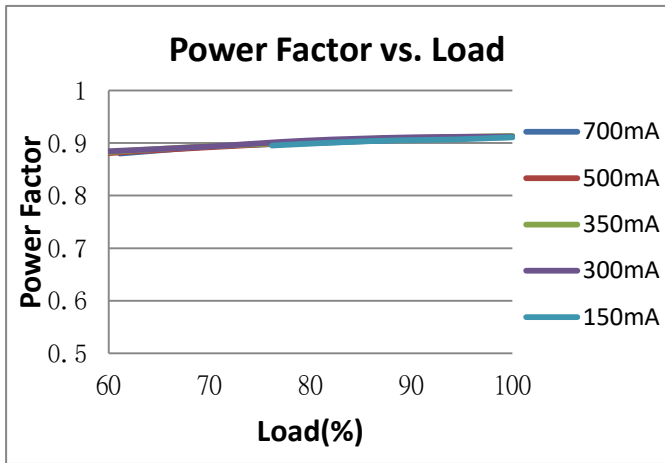
Item		Value	Remark
Input	Nominal voltage	220–240V	
	Nominal frequency	50–60Hz	
	AC voltage range		
	G6R7W150/350/500/700LRP	198–264V	
	G6R7W300LRP	198-277V	
	DC voltage range (start)	NA	
	DC voltage range (operation)	NA	
	Nominal current	50mA	
	Total Harmonic Distortion (THD)	< 70	Full load @230VAC
	Power factor	0.85C-0.92C	Min-load @ 240Vac and Full-load @ 220 Vac
	Displacement factor	0.85C-0.92C	Min-load @ 240Vac and Full-load @ 220 Vac
	Efficiency	81% (Typ.)	Full load @230VAC
	No-load power	NA	
	Stand-by power	NA	
	Protection class	NA	
Output	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	
Output	G6R7W500LRP	6-13Vdc	
	G6R7W700LRP	5.5-9Vdc	
	Maximum voltage		
	G6R7W150LRP	55Vdc	
	G6R7W300LRP	35Vdc	
	G6R7W350LRP	35Vdc	

	Item	Value	Remark
Output	G6R7W500LRP	18Vdc	
	G6R7W700LRP	25Vdc	
	Nominal current range		
	G6R7W150LRP	150mA	
	G6R7W300LRP	300mA	
	G6R7W350LRP	350mA	
	G6R7W500LRP	500mA	
	G6R7W700LRP	700mA	
	Current accuracy		Full load @230VAC
	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	
Environment	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%	
	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, tc 65 °C @ ta 50 °C Load ≤4.4W > 50,000 h, tc 65 °C @ ta 60 °C	0.2 % / 1,000 h failure rate 0.2 % / 1,000 h failure rate
	G6R7W300LRP	Full Load > 50,000 h, tc 65 °C @ ta 50 °C Load ≤4.8W > 50,000 h, tc 65 °C @ ta 60 °C	0.2 % / 1,000 h failure rate 0.2 % / 1,000 h failure rate
	G6R7W350LRP	Full Load > 50,000 h, tc 65 °C @ ta 50 °C Load ≤5.2W > 50,000 h, tc 65 °C @ ta 60 °C	0.2 % / 1,000 h failure rate 0.2 % / 1,000 h failure rate
	G6R7W500LRP	Full Load > 50,000 h, tc 70 °C @ ta 50 °C Load ≤4.6W > 50,000 h, tc70 °C @ ta 60 °C	0.2 % / 1,000 h failure rate 0.2 % / 1,000 h failure rate
	G6R7W700LRP	Full Load > 50,000 h, tc 65 °C @ ta 50 °C Load ≤4.4W > 50,000 h, tc 65 °C @ ta 60 °C	0.2 % / 1,000 h failure rate 0.2 % / 1,000 h failure rate

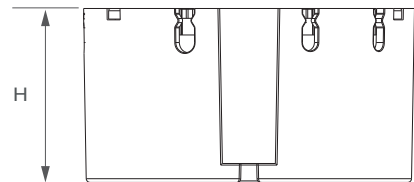
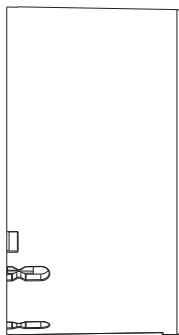
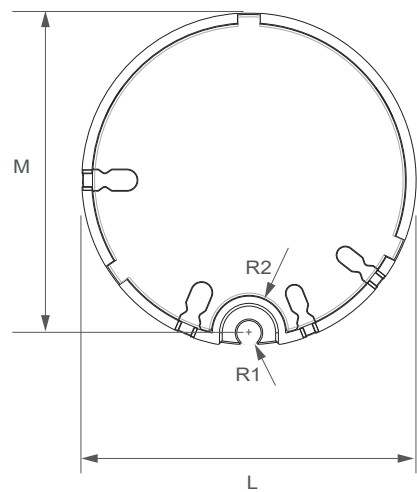
Packing	Gross weight/box		11.4 kg
	Net weight/box		10.4 kg
	Pcs/box		90 PCS
	Dimension/box		240(L)*190(W)*185(H)mm
Protections			
Short- circuit protection		Auto recovery	
Open- circuit protection		Auto recovery	
Overload protection		Auto recovery	
Conformity & Standards			
Safety standard:		EN 61347-1, 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			
PRI	Connection	L	N
	Color	Brown	Blue
	Wire type	7022	7022
	Wire diameter	AWG20	AWG20
	Wire length	141mm	140mm
	Stripping	6mm	6mm
	Tolerance	±5mm	±5mm
SEC	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).



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

