

Approval Marks



Item	Value		Remark
Nominal voltage	220	- 240 V	
Nominal frequency	50	- 60 Hz	
AC voltage range	198	- 264 V	
DC voltage range (start)	NA		
DC voltage range (operation)	NA		
Nominal current	90	mA	Full load @230VAC
Total Harmonic Distortion (THD)	< 35	%	Full load @230VAC
Power factor	0.85~0.9	C	Full load @230VAC
Displacement factor	0.85~0.9	C	Full load @230VAC
Efficiency			Full load @230VAC
Input	G6R15W300LRP	84	%(Typ.)
	G6R15W350LRP	82	%(Typ.)
	G6R15W500LRP	84	%(Typ.)
	G6R15W700LRP	82	%(Typ.)
	No-load power	NA	
	Stand-by power	NA	
	Protection class	NA	
	Inrush current	7 A	/ 500 us
Max.units per circuit breaker	Type B , 10A MCB	21	
	Type B , 16A MCB	34	
	Type C , 10A MCB	36	
	Type C , 16A MCB	57	
Earth leakage current	NA		
Output	Nominal voltage range		
	G6R15W300LRP	24	- 43 Vdc
	G6R15W350LRP	24	- 43 Vdc
	G6R15W500LRP	15	- 30 Vdc
	G6R15W700LRP	12	- 21 Vdc
	Maximum voltage		
	G6R15W300LRP	63	Vdc
	G6R15W350LRP	63	Vdc
	G6R15W500LRP	50	Vdc
	G6R15W700LRP	45	Vdc

	Item	Value			Remark	
Output	Nominal current range					
	G6R15W300LRP	300	mA			
	G6R15W350LRP	350	mA			
	G6R15W500LRP	500	mA			
	G6R15W700LRP	700	mA			
	Current accuracy				Full load @230VAC	
	G6R15W300LRP	±	5	%		
	G6R15W350LRP	±	5	%		
	G6R15W500LRP	±	5	%		
	G6R15W700LRP	±	5	%		
Typical output LF current ripple				Low Frequency< 120Hz Full load @230VAC		
SVM				≤ 0.4	Full load @230VAC	
P _{stLM}				≤ 1	Full load @230VAC	
Starting time				< 0.5 S	Full load @230VAC	
Nominal power range						
G6R15W300LRP		7.2	-	12.9 W		
G6R15W350LRP		8.4	-	15 W		
G6R15W500LRP		7.5	-	15 W		
G6R15W700LRP		8.4	-	14.7 W		
Maximum power		15	W			
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						
G6R15W300LRP		75	°C			
G6R15W350LRP		80	°C			
G6R15W500LRP		80	°C			
G6R15W700LRP		80	°C			
Max. case temp. in fault condition		95	°C		When operating under fault conditions, the temperature of the enclosure at any location should not exceed 110 °C	
Storage temperature range		- 40 °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					
	G6R15W300LRP	> 50,000 h , t _c	75	°C @ t _a	50 °C	0.2% / 1,000 h failure rate
> 100,000 h , t _c		65	°C @ t _a	40 °C	0.1% / 1,000 h failure rate	
G6R15W350LRP	> 50,000 h , t _c	80	°C @ t _a	50 °C	0.2% / 1,000 h failure rate	
	> 100,000 h , t _c	70	°C @ t _a	40 °C	0.1% / 1,000 h failure rate	
G6R15W500LRP	> 50,000 h , t _c	80	°C @ t _a	50 °C	0.2% / 1,000 h failure rate	
	> 100,000 h , t _c	70	°C @ t _a	40 °C	0.1% / 1,000 h failure rate	
G6R15W700LRP	> 50,000 h , t _c	80	°C @ t _a	50 °C	0.2% / 1,000 h failure rate	
	> 100,000 h , t _c	70	°C @ t _a	40 °C	0.1% / 1,000 h failure rate	

Packing	Gross weight/Carton				kg
	Net weight/Carton				kg
	Pcs/Carton				PCS
	Dimension/Carton	(L) *	(W) *	(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

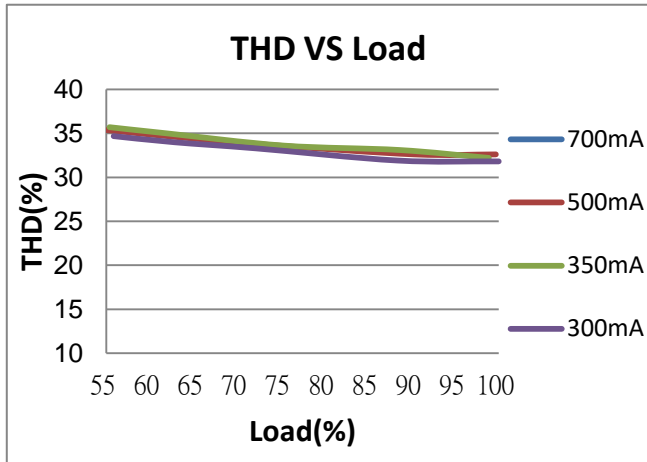
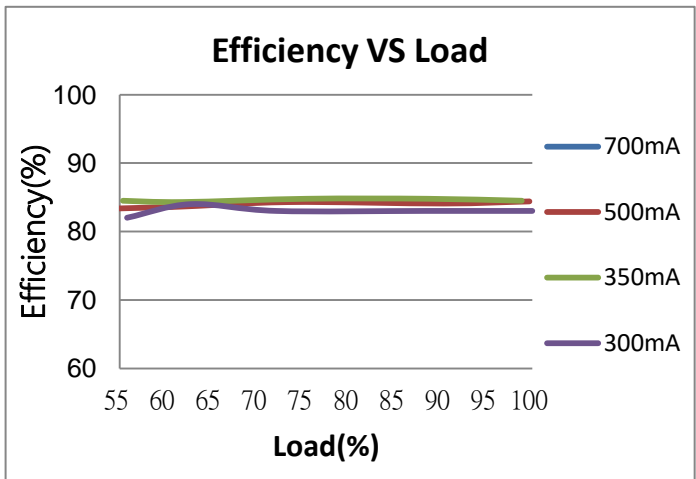
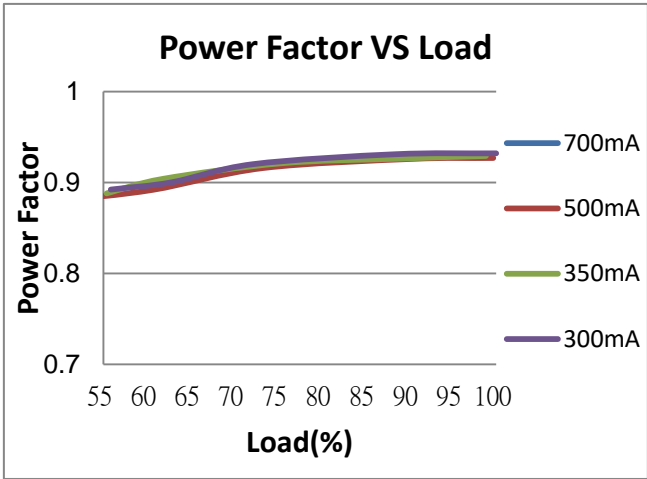
PRI Connection	L	N
Color	Brown	Blue
Wire type	7022	7022
Wire diameter	AWG 20	AWG 20
Wire length	140 mm	140 mm
Stripping	6 mm	6 mm
Tolerance	± 5 mm	± 5 mm

Sec Connection	+	-
Color	Red	Black
Wire type	1332	1332
Wire diameter	AWG 22	AWG 22
Wire length	139 mm	139 mm
Strip length	6 mm	6 mm
Tolerance	± 5 mm	± 5 mm

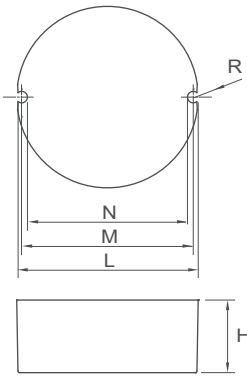
Subject to change without notice, HEP guarantees all products perform functionally well

* 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 : 48 mm M : 46.7 mm N : 43.5 mm

H : 22 mm R : 1.6 mm

Tolerance : +/-1 mm , R : +/-0.5 mm

Housing Material : Polycarbonate / Potting

Soldering : Lead-Free, Comply With RoHS

Label : Surface Print

Wiring Diagram

