



Item	Value	Remark
Nominal voltage	220–240V	
Nominal frequency	50–60Hz	
AC voltage range	198–264V	
DC voltage range (start)	NA	
DC voltage range (operation)	NA	
Nominal current		Full load @230VAC
LNC10W200HLR-1C	55mA	
LNC10W300LLR-1C	55mA	
Total Harmonic Distortion (THD)	< 20%	Full load @230VAC
Power factor		Full load @230VAC
<b>Input</b>		
LNC10W200HLR-1C	0.8C	
LNC10W300LLR-1C	0.85C	
Displacement factor		Full load @230VAC
LNC10W200HLR-1C	0.8C	
LNC10W300LLR-1C	0.85C	
Efficiency		Full load @230VAC
LNC10W200HLR-1C	75% (Typ.)	
LNC10W300LLR-1C	80% (Typ.)	
No-load power	NA	
Stand-by power	NA	
Protection class	NA	
Inrush current	2 A / 30 μs	Full load @230VAC
Earth leakage current	NA	
<b>Output</b>		
Nominal voltage range		
LNC10W200HLR-1C	30-42Vdc	
LNC10W300LLR-1C	16-26Vdc	
Maximum voltage		
LNC10W200HLR-1C	50Vdc	
LNC10W300LLR-1C	35Vdc	
Nominal current range		
LNC10W200HLR-1C	200mA	
LNC10W300LLR-1C	300mA	

	Item	Value	Remark
Output	Current accuracy	±8%	Full load @230VAC
	Typical output LF current ripple	± 5%	Low Frequency<120Hz Full load @230VAC
	Starting time	< 0.5S	Full load @230VAC
	Nominal power range		
	LNC10W200HLR-1C	6.0-8.4W	
	LNC10W300LLR-1C	4.8-7.8W	
	Maximum power	10W	
Dimming	Dimming control	0/1-10V	0V:Dimming Port Short
	Dimming range	10-100%	1-10V
	Lowest dimming current	1-9%	1V : Full load @ 230VAC When dimming under 1V, the output current won't be defined.
	Dimming technique	NA	
	PWM frequency	NA	
	Galvanic isolation	Basic insulated to PRI and supplementary insulated to SEC	
Environment	Ambient temperature range t <sub>a</sub>	-20°C - +50°C	
	Maximum case temperature t <sub>c</sub>	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	-40°C - +85°C	
	Relative humidity	10% - 85%	
	Surge transient protection	1kV	L/N
	Environmental rating	Indoor	
Environment	Item	Value	Remark
	IP rating	IP20	
	Mains switching cycles	> 10,000	
	Expected lifetime		
	Full load	> 48,000 h, tc 70 °C @ ta 50 °C	0.21 % / 1,000 h failure rate
Output load ≤ 6W	> 48,000 h, tc 70 °C @ ta 60 °C	0.21 % / 1,000 h failure rate	
Packing	Gross weight/box	8.1 kg	
	Net weight/box	7.0 kg	
	Pcs/box	108 PCS	
	Dimension/box	490(L)*270(W)*225(H)mm	
<b>Protections</b>			
Short-circuit Protection	Auto recovery		
Open-circuit Protection	Auto recovery		
Overload Protection	Auto recovery		
<b>Conformity &amp; Standards</b>			
Safety standard:	EN 61347-1, EN 61347-2-13, EN62493		
EMC standard:	EN55015, EN61000-3-2, EN61000-3-3, EN61547		
Performance:	EN62384		

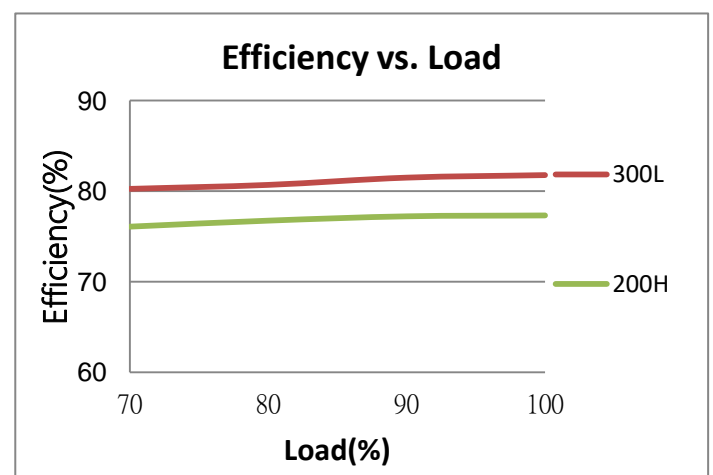
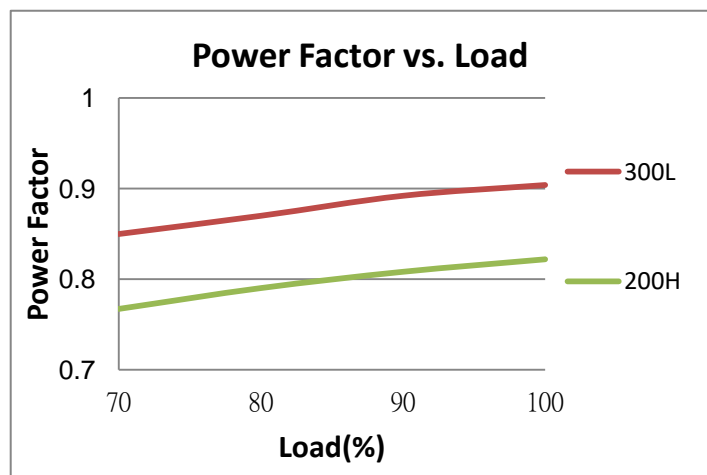
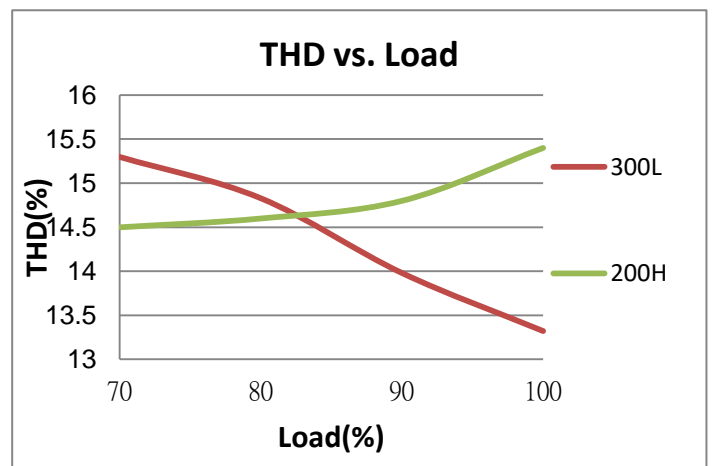
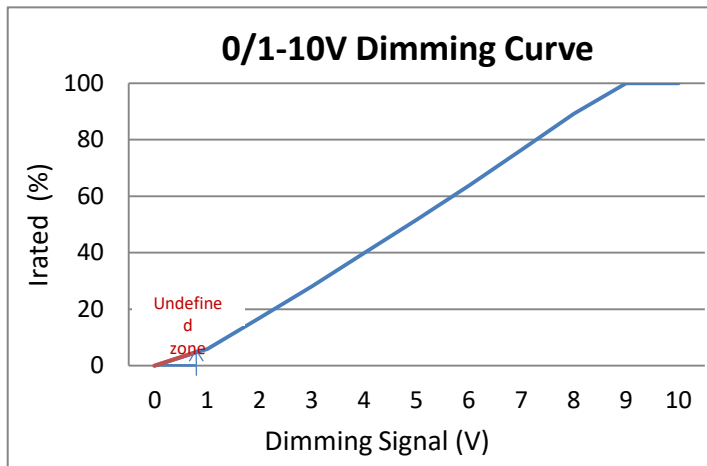
## Cable information

<b>PRI</b>	Connection	L	N
	Color	Brown	Blue
	Wire type	7022	7022
	Wire diameter	AWG18	AWG18
	Wire length	139mm	140mm
	Stripping	6mm	6mm
	tolerance	±5mm	±5mm
<b>Sec</b>	Connection	+	-
	Color	Red	Black
	Wire type	1332	1332
	Wire diameter	AWG22	AWG22
	Wire length	138mm	136mm
	Strip length	6mm	6mm
	tolerance	±5mm	±5mm
<b>1-10V</b>	Connection	+	-
	Color	Purple	Gray
	Wire type	1332	1332
	Wire diameter	AWG22	AWG22
	Wire length	103mm	103mm
	Stripping	10mm	10mm
	tolerance	±5mm	±5mm

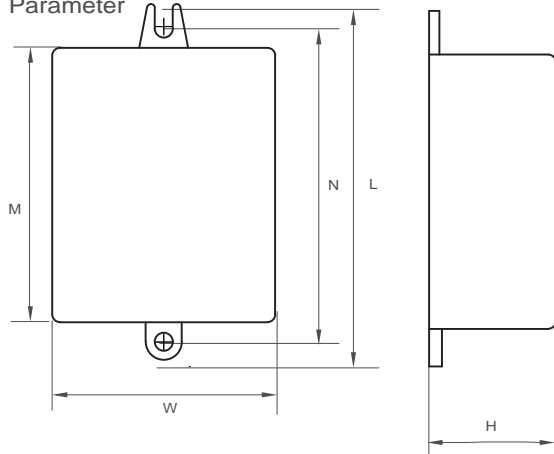
\*Subject to change without notice, HEP guarantees all products perform functionally well\*

\* 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 : 69.3 mm    W: 43.5 mm  
M : 53.5 mm    H : 24.6 mm  
N : 61 mm

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

Housing Material : Polycarbonate  
Soldering : Lead-Free, Comply With RoHS  
Label : Surface Print

### Wiring Diagram

