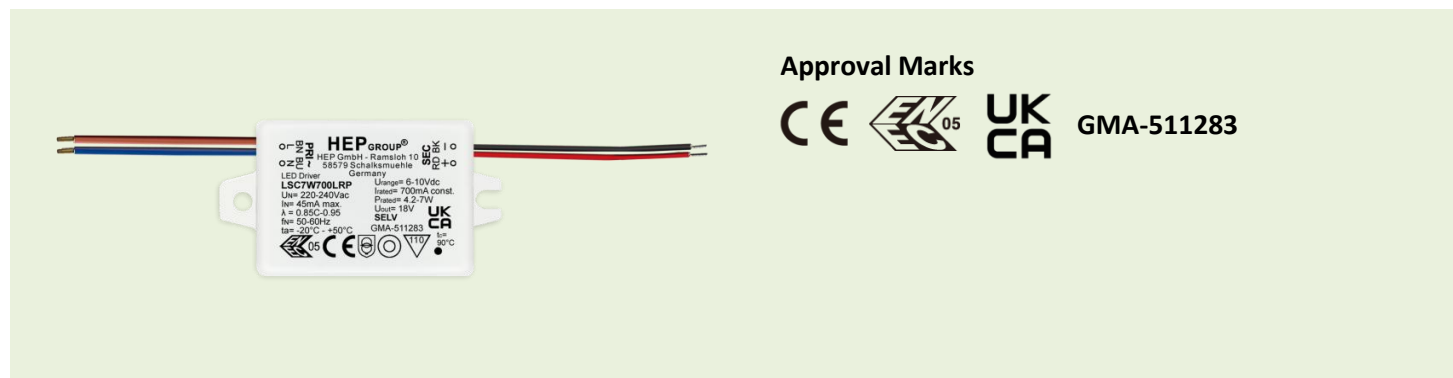




Item	Value	Remark
Nominal voltage	220–240V	
Nominal frequency	50–60Hz	
AC voltage range	198–264V	
DC voltage range (start)	NA	
DC voltage range (operation)	NA	
Nominal current	45mA	Full load @230VAC
LSC7W200LRP	50mA	Full load @230VAC
Total Harmonic Distortion (THD)	< 25%	Full load @230VAC
Power factor		Full load @230VAC
LSC7W150LRP	0.9C–0.95	
LSC7W250LRP		
LSC7W200LRP	0.85C–0.95	
LSC7W350LRP		
LSC7W630LRP		
LSC7W700LRP		
LSC7W300LRP	0.8–0.9C	
LSC7W500LRP		
Displacement factor		Full load @230VAC
LSC7W150LRP	0.9C–0.95	
LSC7W250LRP		
LSC7W200LRP	0.85C–0.95	
LSC7W350LRP		
LSC7W630LRP		
LSC7W700LRP		
LSC7W300LRP	0.8–0.9C	
LSC7W500LRP		
Efficiency		Full load @230VAC
LSC7W150LRP	79% (Typ.)	
LSC7W200LRP	79% (Typ.)	
LSC7W250LRP	75% (Typ.)	
LSC7W300LRP	77% (Typ.)	
LSC7W350LRP	77% (Typ.)	
LSC7W500LRP	74% (Typ.)	
LSC7W630LRP	73% (Typ.)	
LSC7W700LRP	72% (Typ.)	

Item		Value	Remark
Input	No-load power	NA	
	Stand-by power	NA	
	Protection class	NA	
	Inrush current	15 A / 30 us	
		Type B , 10A MCB	67
		Type B , 16A MCB	107
	Max.units per circuit breaker	Type C , 10A MCB	83
		Type C , 16A MCB	133
	Earth leakage current	NA	
	Nominal voltage range		
Output	LSC7W150LRP	25–42Vdc	
	LSC7W200LRP	20–40Vdc	
	LSC7W250LRP	16–24Vdc	
	LSC7W300LRP	12–22Vdc	
	LSC7W350LRP	12–21Vdc	
	LSC7W500LRP	6.5–13Vdc	
	LSC7W630LRP	6–11.5Vdc	
	LSC7W700LRP	6–10Vdc	
	Maximum voltage		
	LSC7W150LRP	50Vdc	
	LSC7W200LRP	50Vdc	
	LSC7W250LRP	30Vdc	
	LSC7W300LRP	28Vdc	
	LSC7W350LRP	27Vdc	
	LSC7W500LRP	18Vdc	
	LSC7W630LRP	18Vdc	
	LSC7W700LRP	18Vdc	
	Nominal current range		
	LSC7W150LRP	150mA	
	LSC7W200LRP	200mA	
	LSC7W250LRP	250mA	
	LSC7W300LRP	300mA	
	LSC7W350LRP	350mA	
	LSC7W500LRP	500mA	
	LSC7W630LRP	630mA	
	LSC7W700LRP	700mA	
	Current accuracy		Full load @230VAC
	LSC7W200/150LRP	± 7%	
	LSC7W300/250LRP	± 6%	
	LSC7W350/500/630/700LRP	± 5%	
	Typical output LF current ripple		Low Frequency< 120Hz Full load @230VAC
	LSC7W150LRP	± 5%	
	LSC7W200LRP	± 9%	
	LSC7W250/300LRP	± 4%	
	LSC7W350/500/630/700LRP	± 3%	

	Item	Value	Remark
	SVM	≤ 0.4	Full load @230VAC
	P _{stLM}	≤ 1	Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
Output	Nominal power range		
	LSC7W150LRP	3.8-6.3W	
	LSC7W200LRP	4.0-8.0W	
	LSC7W250LRP	4.0-6.0W	
	LSC7W300LRP	3.6-6.6W	
	LSC7W350LRP	4.2-7.3W	
	LSC7W500LRP	3.3-6.5W	
	LSC7W630LRP	3.8-7.2W	
	LSC7W700LRP	4.2-7.0W	
	Maximum power	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		
	LSC7W150/250/300LRP LSC7W350/500/630LRP	85°C	
	LSC7W200/700LRP	90°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
Environment	Storage temperature range	-40°C - +90°C	
	Relative humidity	10% - 90%	
	Surge transient protection	1 kV	L/N
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	
	Expected lifetime		
	LSC7W150/200/250/300LRP LSC7W350/500/630LRP		
	Full Load	> 50,000 h, t _c 85 °C @ t _a 50 °C	0.2% / 1,000 h failure rate
	Output load $\leq 5W$	> 47,000 h, t _c 85 °C @ t _a 60 °C	0.2% / 1,000 h failure rate
	LSC7W700LRP		
	Full Load	> 50,000 h, t _c 90 °C @ t _a 50 °C	0.2% / 1,000 h failure rate
	Output load $\leq 5W$	> 47,000 h, t _c 90 °C @ t _a 60 °C	0.2% / 1,000 h failure rate
Packing	Gross weight/box	4.3 kg	
	Net weight/box	3.5 kg	
	Pcs/box	100 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

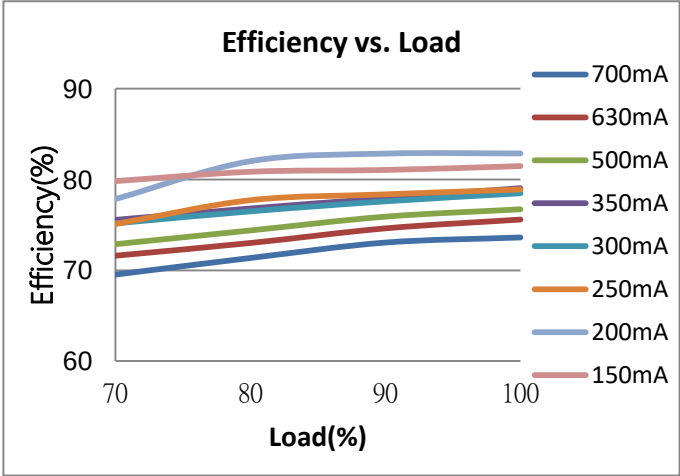
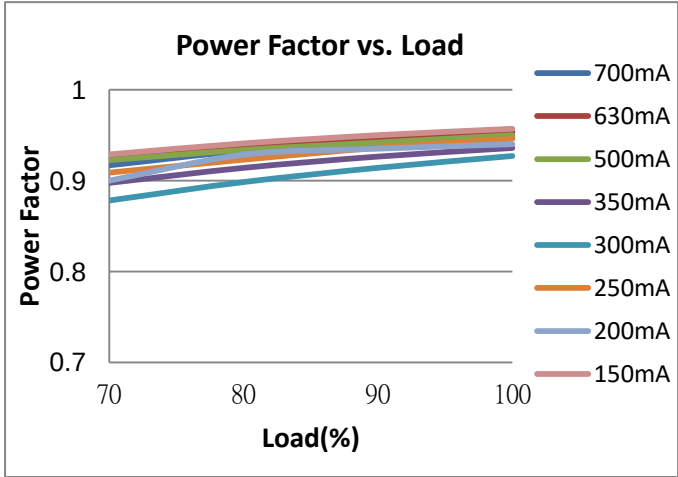
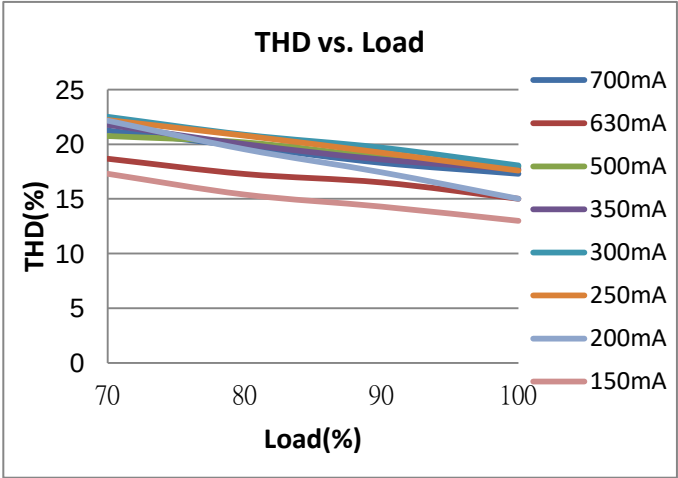
PRI Connection	L	N
Color	Brown	Blue
Wire type	7022	7022
Wire diameter	AWG18	AWG18
Wire length	144mm	145mm
Stripping	6mm	6mm
Tolerance	±5mm	±5mm

Sec Connection	+	-
Color	Red	Black
Wire type	1332	1332
Wire diameter	AWG22	AWG22
Wire length	145mm	145mm
Strip length	6mm	6mm
Tolerance	±5mm	±5mm

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

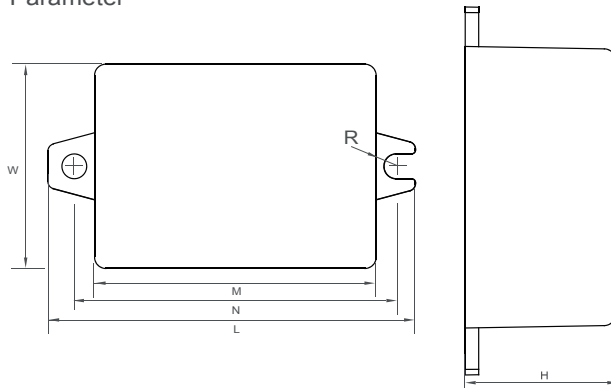
*If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

Electrical Values



Physical

Parameter



L : 49 mm H : 20 mm

M : 37.5 mm N : 42.9 mm

W : 27.2 mm R : 1.65 mm

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

Housing Material Polycarbonate/ Potting

Soldering Lead-Free, Comply With RoHS

Label Surface Print

Wiring Diagram

