



### Approval



GMA-510126-EA

| Item                          |                                 | Value         | Remark                           |
|-------------------------------|---------------------------------|---------------|----------------------------------|
| Input                         | Nominal voltage                 | 100–240V      |                                  |
|                               | Nominal frequency               | 50–60Hz       |                                  |
|                               | AC voltage range                | 90–264V       |                                  |
|                               | DC voltage range (start)        | NA            |                                  |
|                               | DC voltage range (operation)    | NA            |                                  |
|                               | Nominal current                 |               |                                  |
|                               | LSC6W350LR-Z UNI                | 85mA / 40mA   | Full load @100/230VAC            |
|                               | LSC6W500LR-Z UNI                | 82mA / 38mA   | Full load @100/230VAC            |
|                               | LSC6W700LR-Z UNI                | 90mA / 40mA   | Full load @100/230VAC            |
|                               | Total Harmonic Distortion (THD) | < 20%         | Full load @100/230VAC            |
|                               | Power factor                    |               | Full load @230VAC                |
|                               | LSC6W350/700LR-Z UNI            | 0.83C-0.99    |                                  |
|                               | LSC6W500LR-ZUNI                 | 0.86C-0.99    |                                  |
|                               | Displacement factor             |               | Full load @230VAC                |
|                               | LSC6W350/700LR-Z UNI            | 0.83C-0.99    |                                  |
|                               | LSC6W500LR-ZUNI                 | 0.86C-0.99    |                                  |
|                               | Efficiency                      |               | Full load @230VAC                |
|                               | LSC6W350LR-Z UNI                | 75% (Typ.)    |                                  |
|                               | LSC6W500/700LR-Z UNI            | 71% (Typ.)    |                                  |
|                               | No-load power                   | NA            |                                  |
|                               | Stand-by power                  | NA            |                                  |
|                               | Protection class                | II            | Suitable for class II luminaires |
|                               | Inrush current                  | 4.5 A / 30 µs | Full load @230VAC                |
| Max.units per circuit breaker | Type B , 10A MCB                | 44            |                                  |
|                               | Type B , 16A MCB                | 71            |                                  |
|                               | Type C , 10A MCB                | 56            |                                  |
|                               | Type C , 16A MCB                | 89            |                                  |
|                               | Earth leakage current           | N/A           |                                  |
| Output                        | Nominal voltage range           |               |                                  |
|                               | LSC6W350LR-Z UNI                | 8.6-18Vdc     |                                  |
|                               | LSC6W500LR-Z UNI                | 6-12Vdc       |                                  |
|                               | LSC6W700LR-Z UNI                | 4.3-9Vdc      |                                  |

|                                   | Item                                     | Value                                                                                                               | Remark                                                                                                                 |
|-----------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Output                            | Maximum voltage                          |                                                                                                                     |                                                                                                                        |
|                                   | LSC6W350LR-Z UNI                         | 25Vdc                                                                                                               |                                                                                                                        |
|                                   | LSC6W500LR-Z UNI                         | 18Vdc                                                                                                               |                                                                                                                        |
|                                   | LSC6W700LR-Z UNI                         | 16Vdc                                                                                                               |                                                                                                                        |
|                                   | Nominal current range                    |                                                                                                                     |                                                                                                                        |
|                                   | LSC6W350LR-Z UNI                         | 350mA                                                                                                               |                                                                                                                        |
|                                   | LSC6W500LR-Z UNI                         | 500mA                                                                                                               |                                                                                                                        |
|                                   | LSC6W700LR-Z UNI                         | 700mA                                                                                                               |                                                                                                                        |
|                                   | Current accuracy                         | ± 5%                                                                                                                | Full load @100/230VAC                                                                                                  |
|                                   | Typical output LF current ripple         | ± 5%                                                                                                                | Low Frequency< 120Hz<br>Full load @230VAC                                                                              |
|                                   | Starting time                            | < 0.5 S                                                                                                             | Full load @230VAC                                                                                                      |
|                                   |                                          | <1.5 S                                                                                                              | Full load @100VAC                                                                                                      |
|                                   | SVM                                      | ≤ 0.4                                                                                                               | Full load @230VAC                                                                                                      |
|                                   | P <sub>st</sub> LM                       | ≤ 1                                                                                                                 | Full load @230VAC                                                                                                      |
|                                   | Nominal power range                      |                                                                                                                     |                                                                                                                        |
|                                   | LSC6W350LR-Z UNI                         | 3.0-6.3W                                                                                                            |                                                                                                                        |
|                                   | LSC6W500LR-Z UNI                         | 3.0-6.0W                                                                                                            |                                                                                                                        |
|                                   | LSC6W700LR-Z UNI                         | 3.0-6.3W                                                                                                            |                                                                                                                        |
|                                   | Maximum power                            | 6.3W                                                                                                                |                                                                                                                        |
| Environment                       | Ambient temperature range t <sub>a</sub> | -20°C - +50°C                                                                                                       |                                                                                                                        |
|                                   | Maximum case temperature t <sub>c</sub>  | 80°C                                                                                                                |                                                                                                                        |
|                                   | Max. case temp. in fault condition       | 110°C                                                                                                               | When operating under fault conditions,<br>the temperature of the enclosure at any<br>location should not exceed 110 °C |
|                                   | Storage temperature range                | -40°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                        | > 50,000 h, t <sub>c</sub> 80 °C @ t <sub>a</sub> 50 °C<br>> 100,000 h, t <sub>c</sub> 70 °C @ t <sub>a</sub> 40 °C | 0.2 % / 1,000 h failure rate<br>0.1 % / 1,000 h failure rate                                                           |
| Packing                           | Gross weight/box                         | 10.3 kg                                                                                                             |                                                                                                                        |
|                                   | Net weight/box                           | 8.8 kg                                                                                                              |                                                                                                                        |
|                                   | Pcs/box                                  | 200 PCS                                                                                                             |                                                                                                                        |
|                                   | Dimension/box                            | 385(L)*310(W)*260(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, EN 62493                                                                                 |                                                                                                                        |
|                                   | Performance:                             | EN 62384                                                                                                            |                                                                                                                        |
|                                   | SAA standard:                            | AS/NZS 61347.1, AS/NZS IEC 61347.2.13                                                                               |                                                                                                                        |
|                                   | EMC standard:                            | EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547                                                                      |                                                                                                                        |

## Cable information

### PRI Connection

|                      |                                                                                |
|----------------------|--------------------------------------------------------------------------------|
| Cable cross-section  | 0.5-2.5mm <sup>2</sup> /AWG 20-14                                              |
| Stripping            | 9mm                                                                            |
| Pull test cable type | H03VV(H2)-F 2x0,75-1,5 mm <sup>2</sup> ,H05VV(H2)-F 2x0,75-1,5 mm <sup>2</sup> |

### Sec Connection

|                     |                                    |
|---------------------|------------------------------------|
| Cable cross-section | 0.34-2.5mm <sup>2</sup> /AWG 22-14 |
| Strip length        | 9mm                                |

## Terminal information

### PRI-Screw type

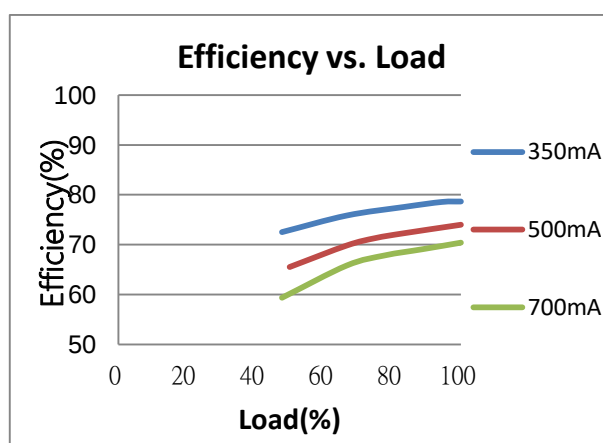
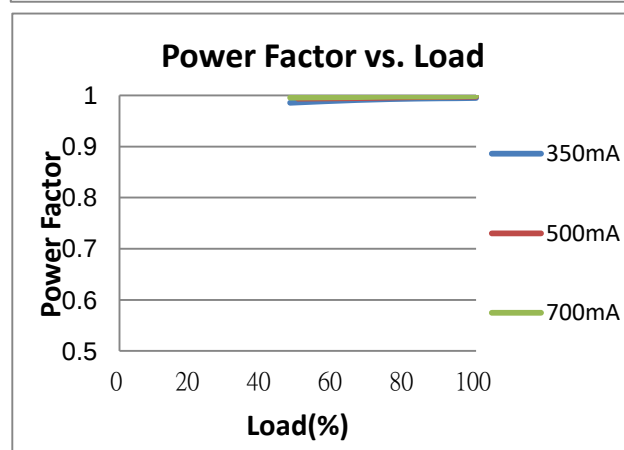
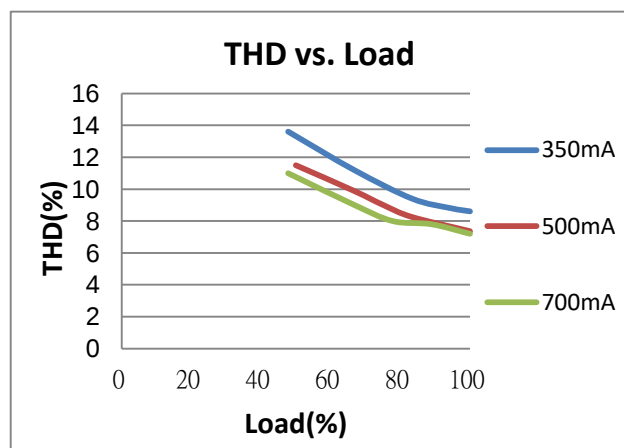
### SEC-Screw type

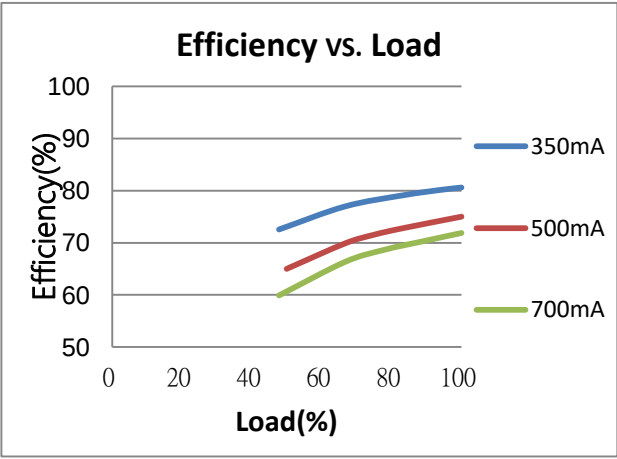
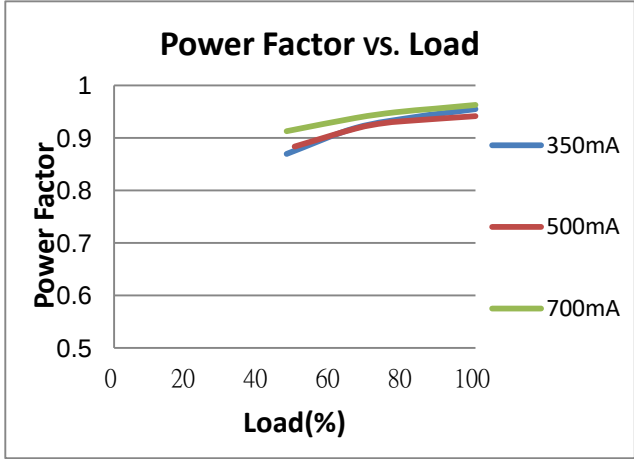
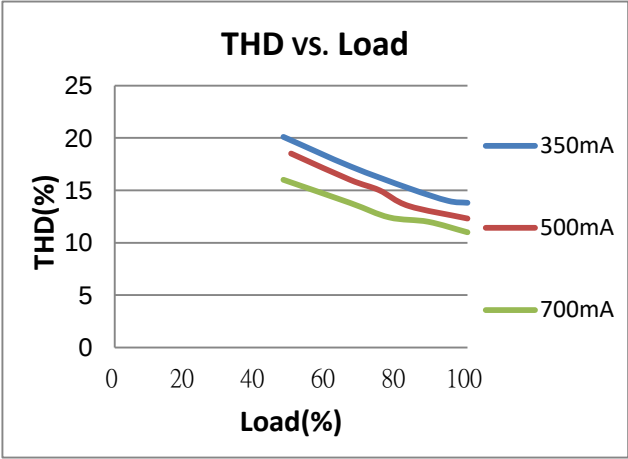
\*Subject to change without notice, HEP guarantees all products perform functionally well\*

\* If not mentioned, all the test conditions are based on full load at 100/230VAC input (for 100-240 VAC input).

## Electrical Values

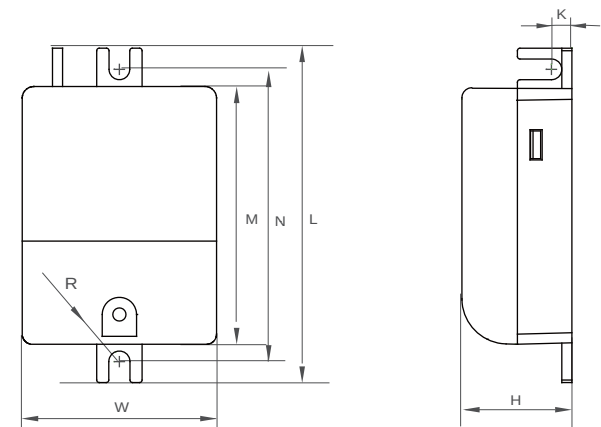
### 100V



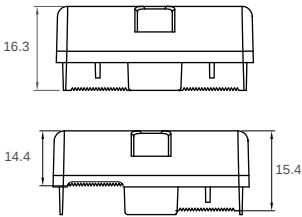


Physical

Parameter



Side Cover



L : 66.3 mm    H : 21.8 mm  
M : 51.1 mm    R : 2.05 mm  
N : 58 mm      K : 4.05 mm  
W : 38.5 mm  
Tolerance :  $\geq \pm 1$  mm  
Housing Material : Polycarbonate

Wiring Diagram

