

# Model 340-SL-02 series

## Bare Die (Flip chip form, AuSn Pad)

### Typical Optical-Electrical Characteristics

( $I_F=350\text{mA}$ ,  $T_a=25^\circ\text{C}$ )

| Item                       | Symbol          | Unit | 340-SL-02-C |     |     |
|----------------------------|-----------------|------|-------------|-----|-----|
|                            |                 |      | Min         | Typ | Max |
| Peak Wavelength (*)        | $\lambda_p$     | nm   | 335         | 340 | 345 |
| Radiant Flux (**)          | $P_o$           | mW   | 50          | 70  | -   |
| Full Width at Half Maximum | $\Delta\lambda$ | nm   | -           | 9   | 15  |
| Forward Voltage            | $V_F$           | V    | -           | 5.5 | 6.5 |

(\*)Peak Wavelength Measurement tolerance is  $\pm 3\text{nm}$ .

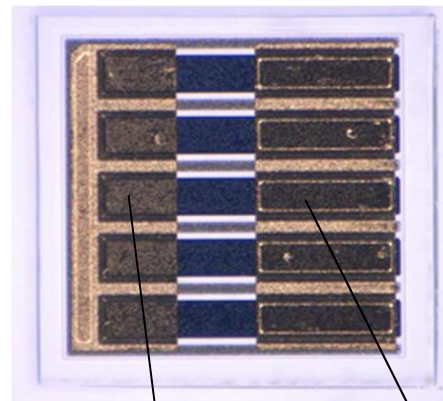
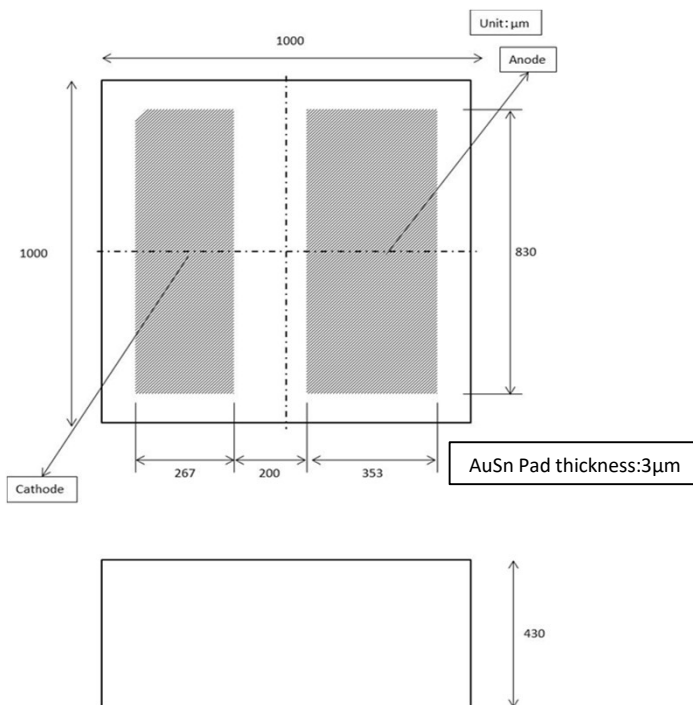
(\*\*)Radiant Flux Measurement tolerance is  $\pm 10\%$ .

Specification and dimension are subject to change for improvement without notice.

### Product ID, Physical dimensions

## 340-SL-02-C

Bare Die



Cathode (AuSn)

Anode (AuSn)

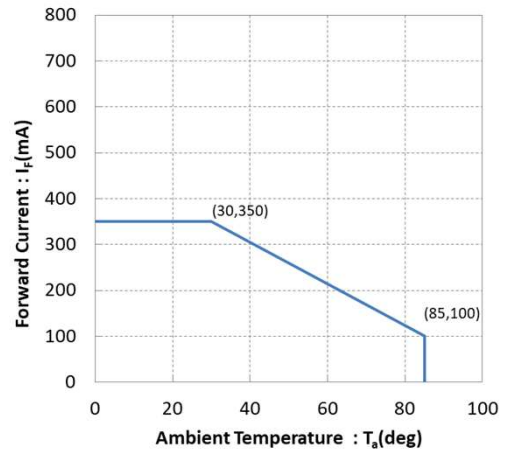
|  |  |
|--|--|
|  | <b>⚠ WARNING</b>   |
|  | <ul style="list-style-type: none"> <li>• LEDs emit very strong UV radiation.</li> <li>• Do not look at the LED light with the naked eye or irradiate the skin. UV radiation can harm your eyes and skin.</li> <li>• To prevent UV radiation exposure, wear protective eyewear and protective equipment.</li> <li>• If LEDs are embedded in devices, please indicate warning labels against the UV light LED used.</li> <li>• Keep out of reach of children.</li> </ul> |

# Model 340-SL-02 series

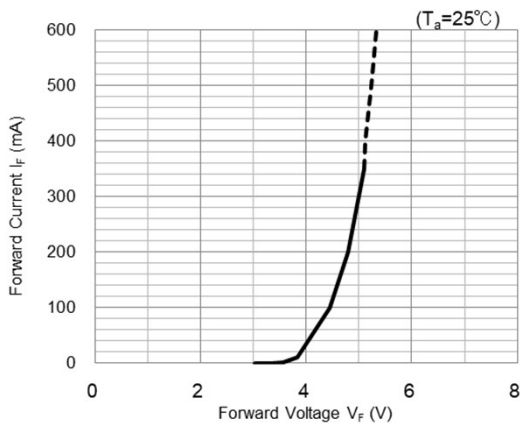
## Absolute Maximum Ratings

| Item                  | Symbol    | Unit | Value                       |
|-----------------------|-----------|------|-----------------------------|
| Forward Current       | $I_F$     | mA   | 350                         |
| Junction Temperature  | $T_J$     | °C   | 90                          |
| Operating Temperature | $T_{OPR}$ | °C   | -30 ~ +85                   |
| Storage Temperature   | $T_{STR}$ | °C   | -40 ~ +85 (No condensation) |

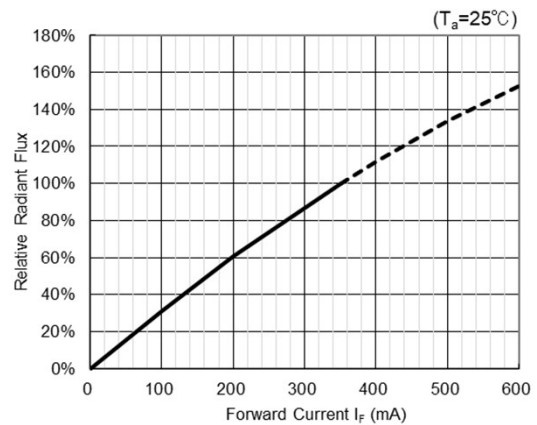
## Derating Curve



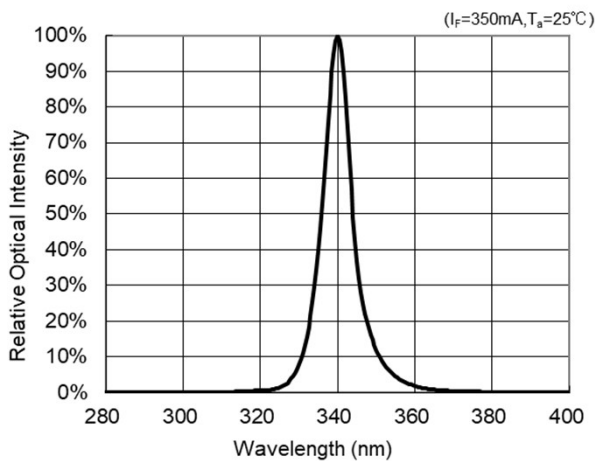
## Forward Voltage vs Forward Current



## Forward Current vs Radiant Flux



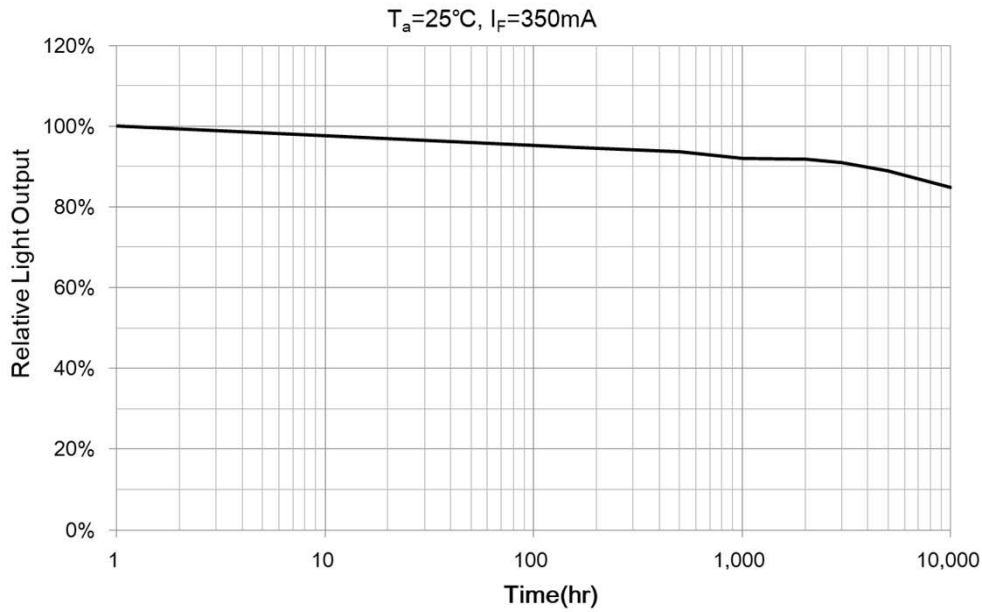
## Spectrum



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## Life Expectancy Data

(for reference only)



This life data was measured with the AIN submount on Al-substrate and fan.