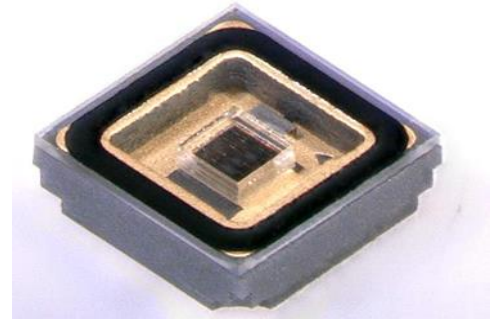
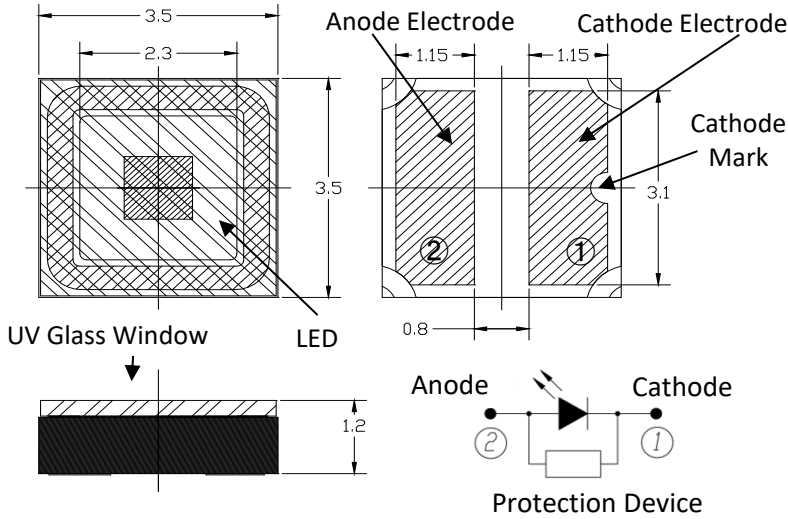


**MODEL 340-FL-02-U05-00001**

**3.5 x 3.5mm Metal Sealed SMD Flat Top Type**

**Mechanical Specifications and Materials (Unit: mm)**



**Typical Optical-Electrical Characteristics**

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

Item	Symbol	Unit	340-FL-02-U05-00001		
			Min	Typ	Max
Peak Wavelength(*)	$\lambda_p$	nm	335	340	345
Radiant Flux(**)	$P_o$	mW	45	70	-
Full Width at Half Maximum	$\Delta\lambda$	nm	-	9	15
Forward voltage	$V_F$	V	4.0	4.8	5.5
Viewing Half Angle	$2\theta_{1/2}$	deg.	-	120	-
Thermal Resistance(***)	Rth	K/W	-	10	-

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

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

(\*\*\*)Junction-ambient



**WARNING**

- LEDs emit very strong UV radiation.
- Do not look at the LED light with the naked eye or irradiate the skin. UV radiation can harm your eyes and skin.
- To prevent UV radiation exposure, wear protective eyewear and protective equipment.
- If LEDs are embedded in devices, please indicate warning labels against the UV light LED used.
- Keep out of reach of children.

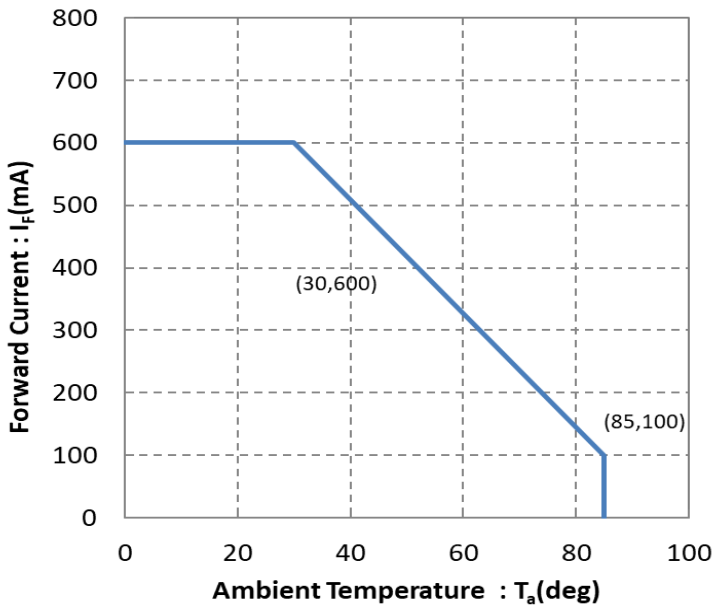
**MODEL 340-FL-02-U05-00001**

**3.5 x 3.5mm Metal Sealed SMD Flat Top Type**

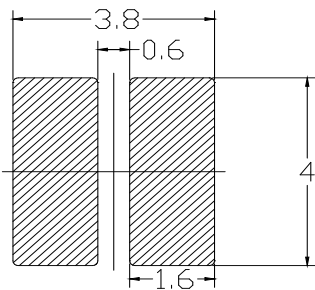
**Absolute Maximum Ratings**

Item	Symbol	Unit	Value
Forward Current	IF	mA	600
Junction Temperature	T <sub>J</sub>	°C	90
Operating Temperature	T <sub>OPR</sub>	°C	-30 ~ +85
Storage Temperature	T <sub>STR</sub>	°C	-40 ~ +85 (No condensation)

**Derating Curve**

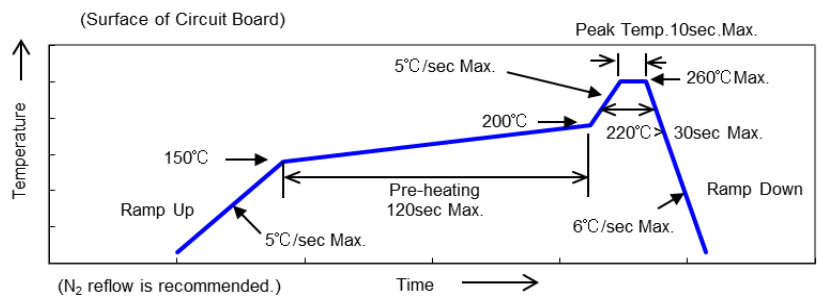


**Recommended solder pad**



Unit : mm

**Reflow soldering profile**



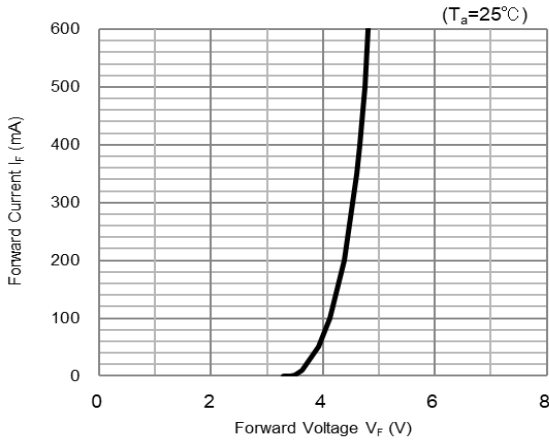
This soldering profile is according to JEDEC-J-STD-020D.

**MODEL 340-FL-02-U05-00001**

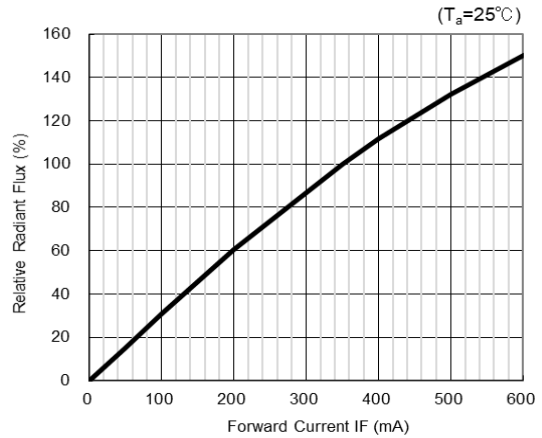
**3.5 x 3.5mm Metal Sealed SMD Flat Top Type**

**Reference Data(1)**

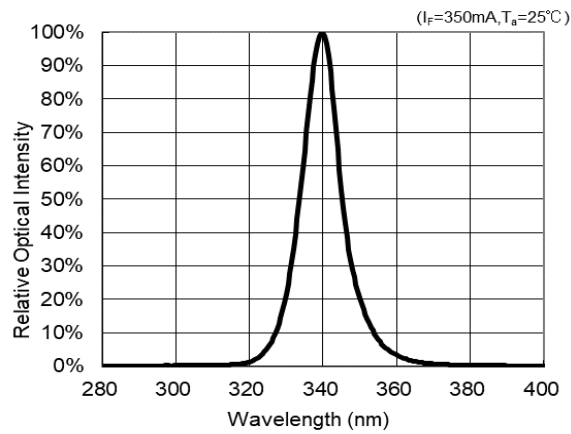
**Forward Voltage vs Forward Current**



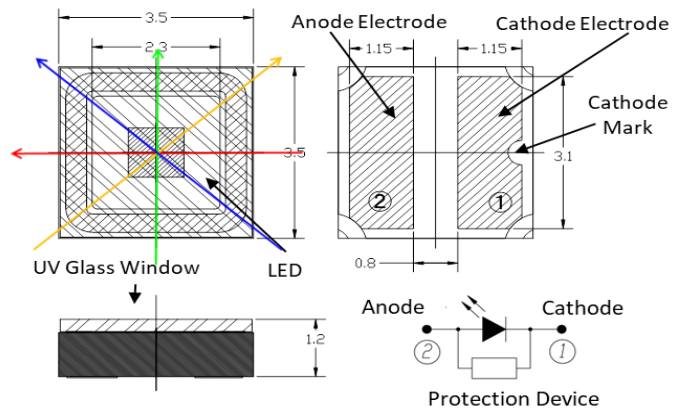
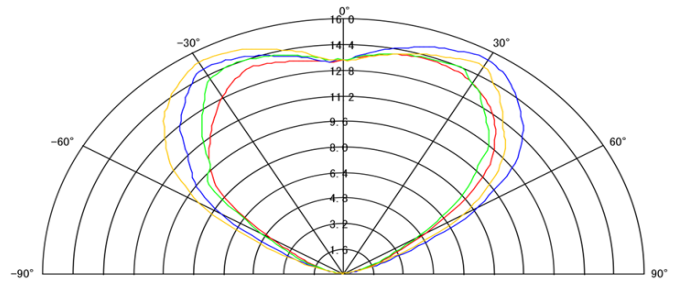
**Forward Current vs Radiant Flux**



**Spectrum**



**Radiation Pattern**



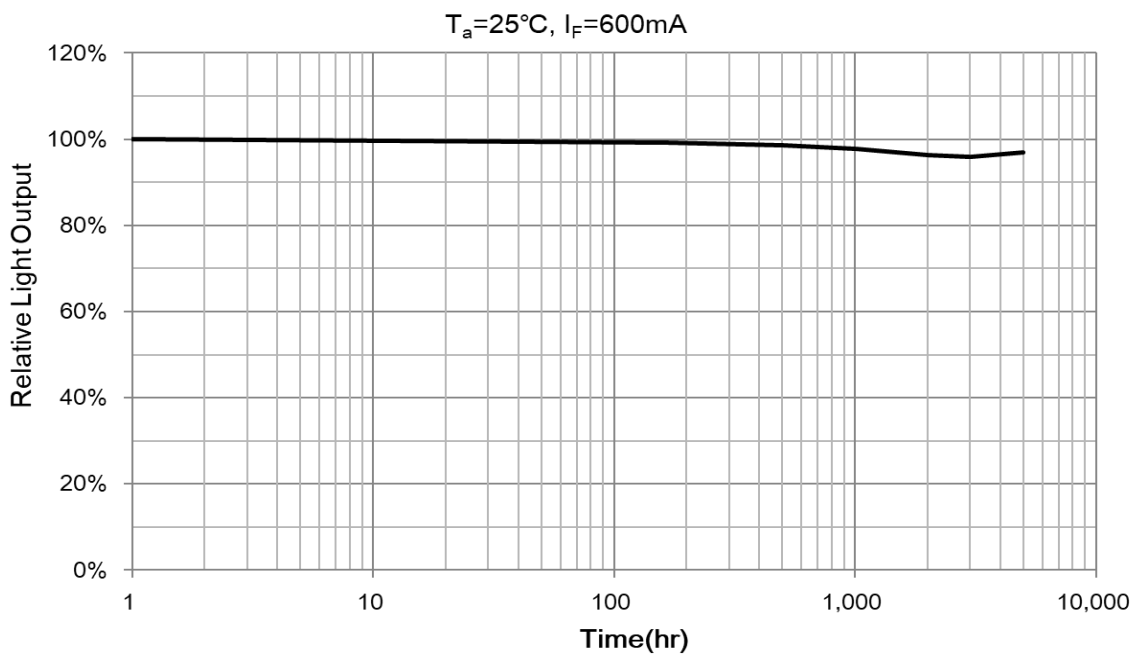
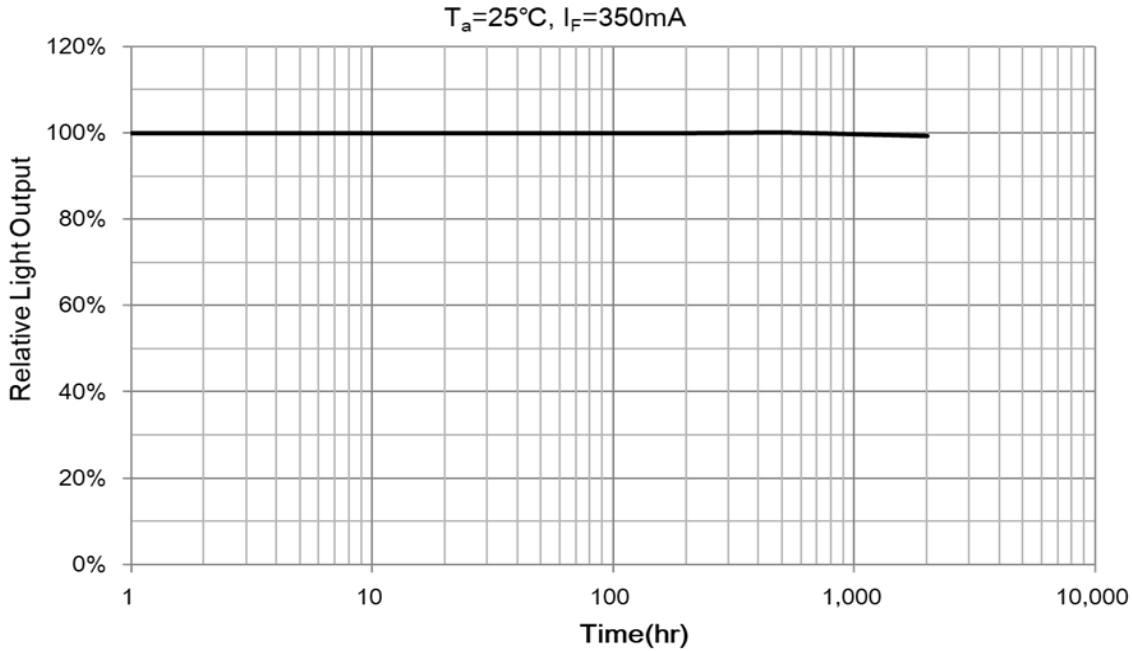


# MODEL 340-FL-02-U05-00001

## 3.5 x 3.5mm Metal Sealed SMD Flat Top Type

### Reference Data(2)

### Life Expectancy Data



These data as on the page 1 to 4 were determined with Al-substrate on a heat sink and fan.