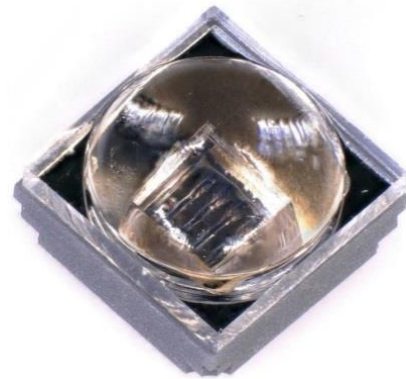
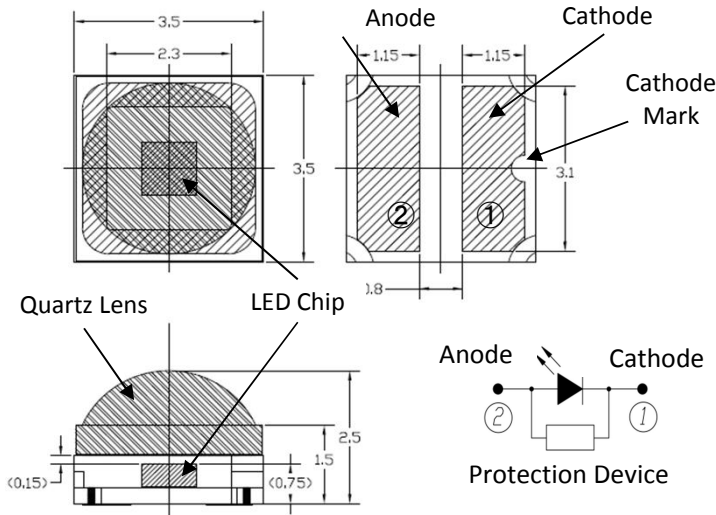


## MODEL 265-FL-02-G02 series

### 3.5 x 3.5mm Metal Sealed SMD Hemispherical Lens Type

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



#### Typical Optical-Electrical Characteristics

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

TBD

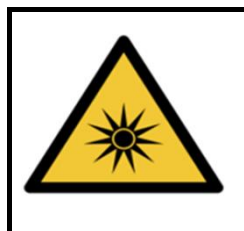
Item	Symbol	Unit	265-FL-02-G02		
			Min	Typ	Max
Peak Wavelength(*)	$\lambda_p$	nm	260	265	270
Radiant Flux(**)	$P_o$	mW	-	27	-
Full Width at Half Maximum	$\Delta$	nm	-	11	-
Forward voltage	$V_F$	V	-	6.0	-
Viewing Half Angle	$2\theta_{1/2}$	deg.	-	65	-
Thermal Resistance(***)	$R_{th}$	K/W	-	15	-

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

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

(\*\*\*)Junction-ambient

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



#### 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.

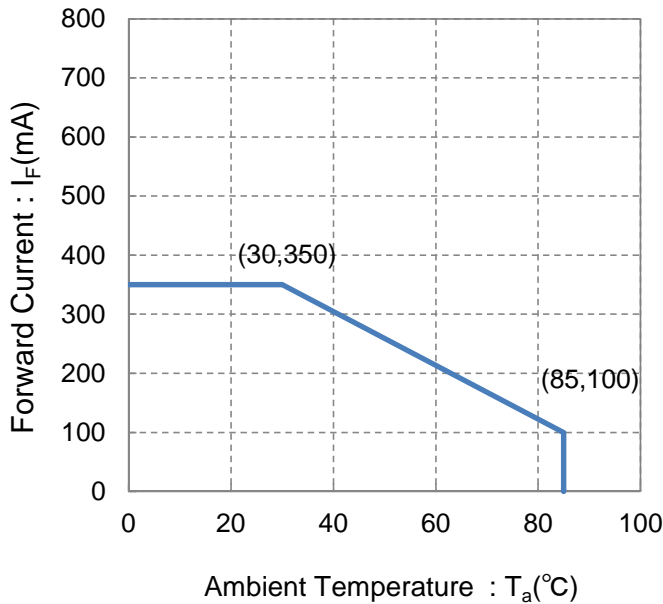
## MODEL 265-FL-02-G02 series

### 3.5 x 3.5mm Metal Sealed SMD Hemispherical Lens Type

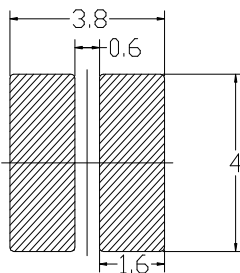
#### Absolute Maximum Ratings **TBD**

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 **TBD**

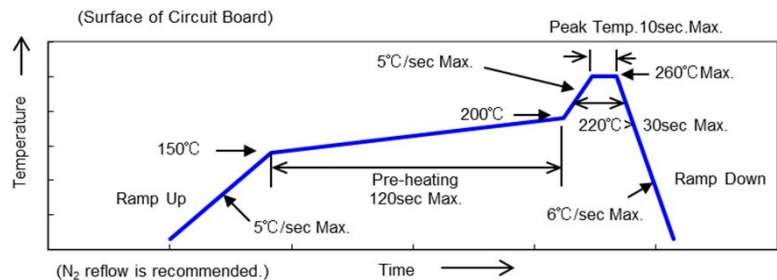


#### Recommended solder pad



Unit : mm

#### Reflow soldering profile



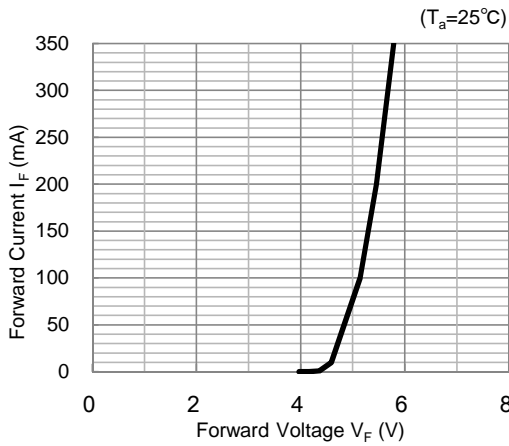
This soldering profile is according to JEDEC-J-STD-020D.

## MODEL 265-FL-02-G02 series

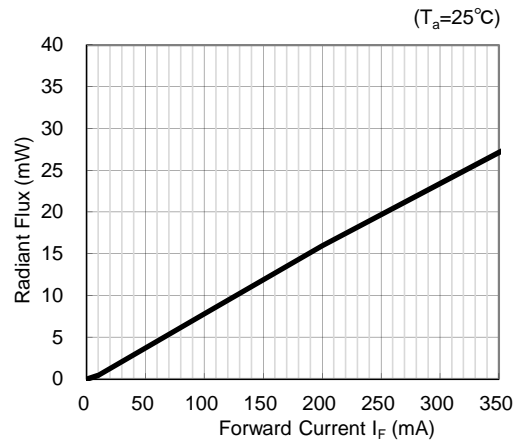
### 3.5 x 3.5mm Metal Sealed SMD Hemispherical Lens Type

#### Reference Data(1)

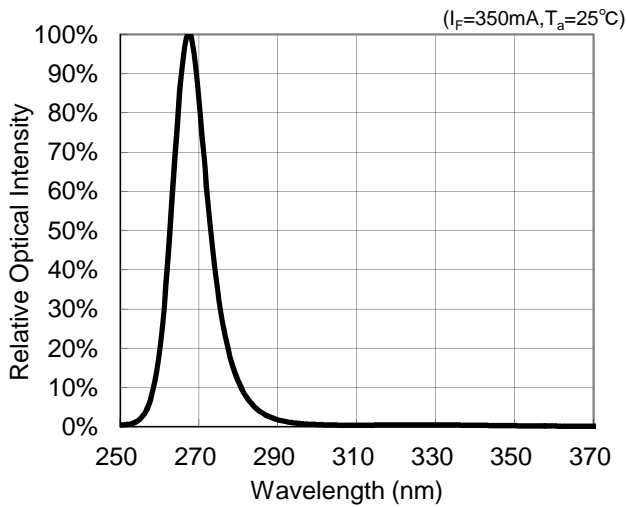
##### Forward Voltage vs Forward Current



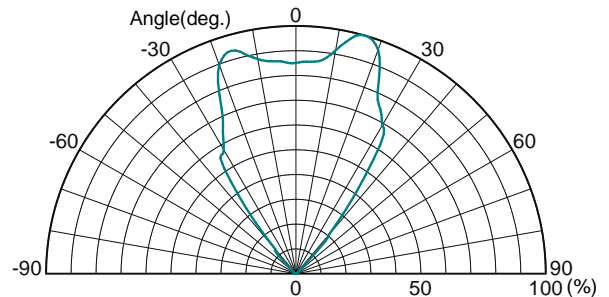
##### Forward Current vs Radiant Flux



##### Spectrum



##### Radiation Pattern

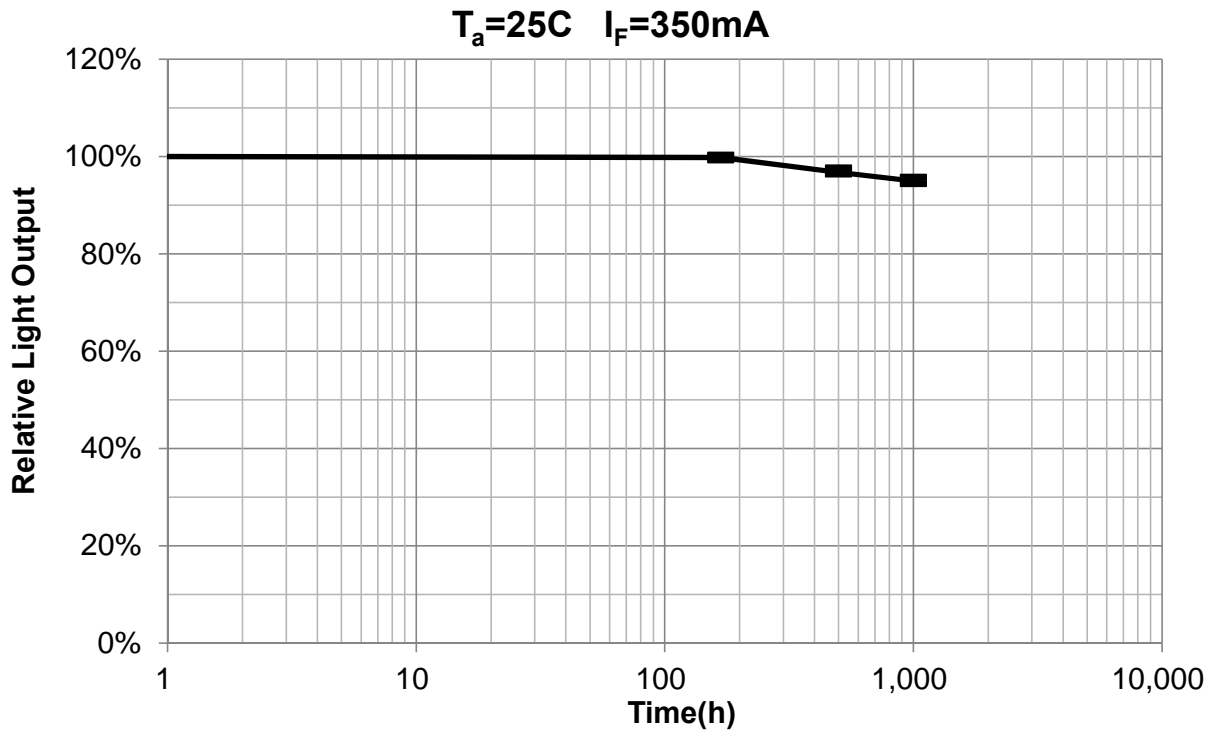


## MODEL 265-FL-02-G02 series

### 3.5 x 3.5mm Metal Sealed SMD Hemispherical Lens 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.