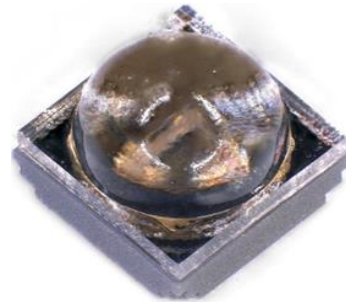
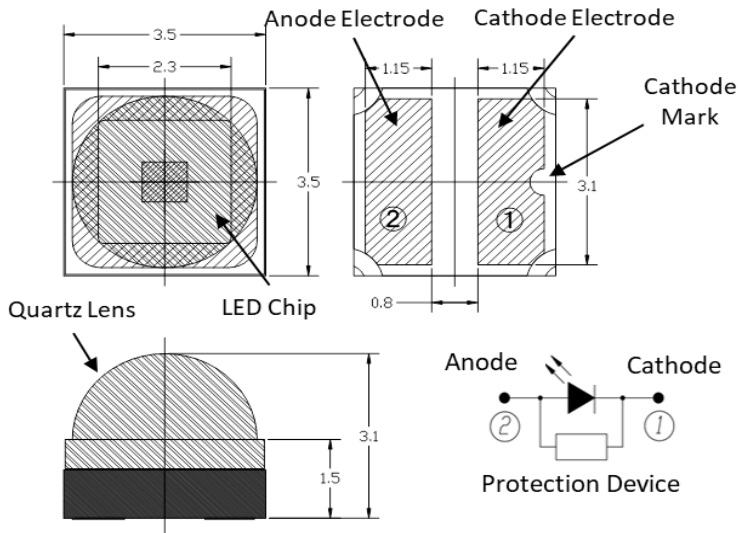


**MODEL 310-FG-02-G01**

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

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



**Typical Optical-Electrical Characteristics**

( $I_F=100\text{mA}$ ,  $T_a=25^\circ\text{C}$ )

Item	Symbol	Unit	310-FG-02-G01		
			Min	Typ	Max
Peak Wavelength(*)	$\lambda_p$	nm	303	308	313
Radiant Flux(**)	$P_o$	mW	-	16	-
Full Width at Half Maximum	$\Delta\lambda$	nm	-	15	-
Forward voltage	$V_F$	V	-	5.4	-
Viewing Half Angle	$2\theta_{1/2}$	deg.	-	35	-

(\*)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.

Binning is available.

	<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>

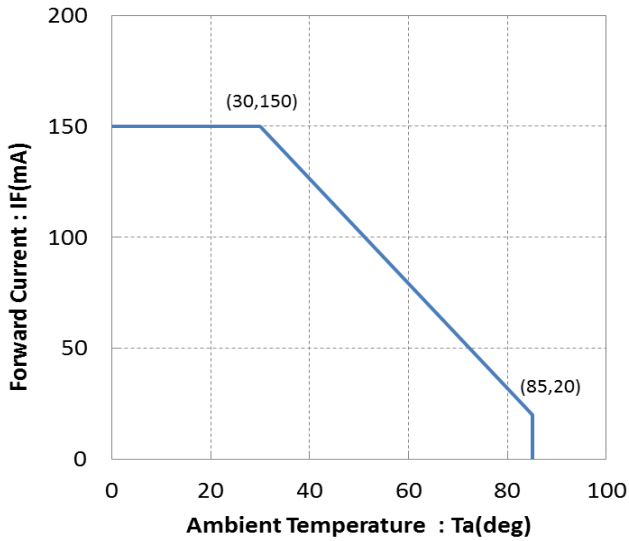
**MODEL 310-FG-02-G01**

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

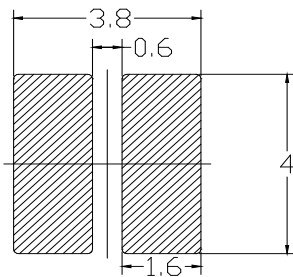
**Absolute Maximum Ratings**

Item	Symbol	Unit	Value
Forward Current	$I_F$	mA	150
Junction Temperature	$T_J$	°C	90
Operating Temperature	$T_{OPR}$	°C	-30 ~ +85
Storage Temperature	$T_{STR}$	°C	-40 ~ +85 (No condensation)

**Derating Curve**

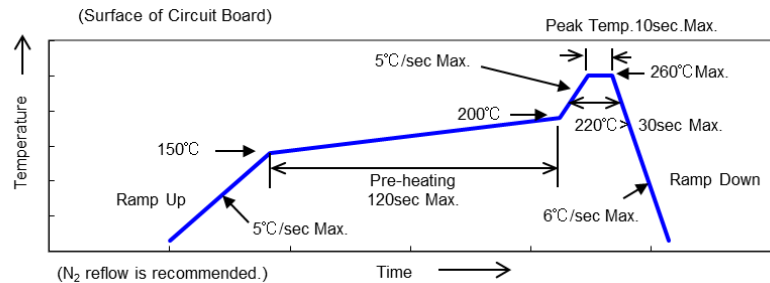


**Recommended solder pad**



Unit : mm

**Reflow soldering profile**



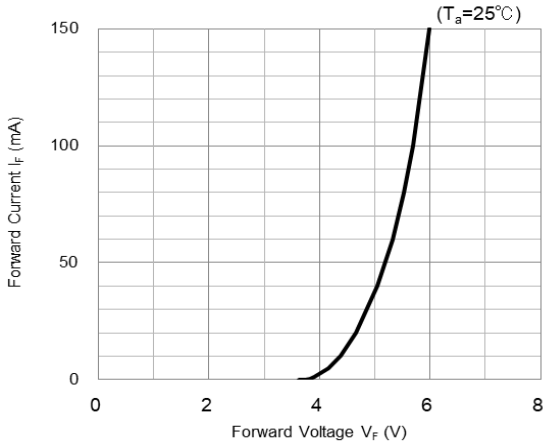
This soldering profile is according to JEDEC-J-STD-020D.

**MODEL 310-FG-02-G01**

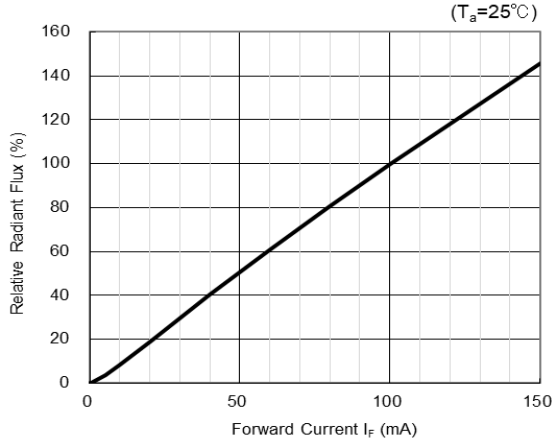
**3.5 x 3.5mm Metal Sealed SMD Hemispherical Lens Type**

**Reference Data(1)**

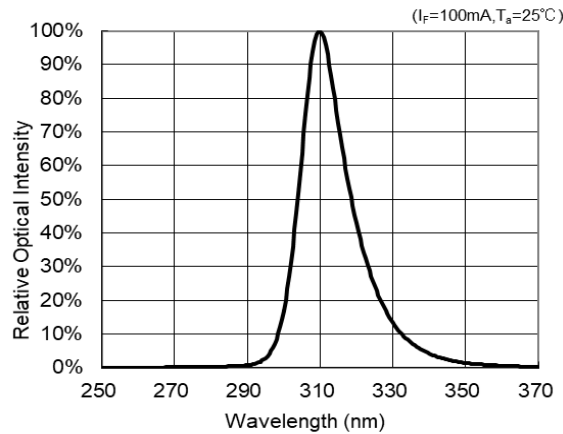
**Forward Voltage vs Forward Current**



**Forward Current vs Radiant Flux**



**Spectrum**



**Radiation Pattern**

