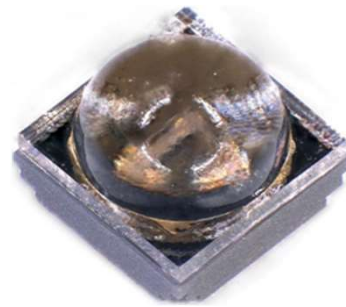
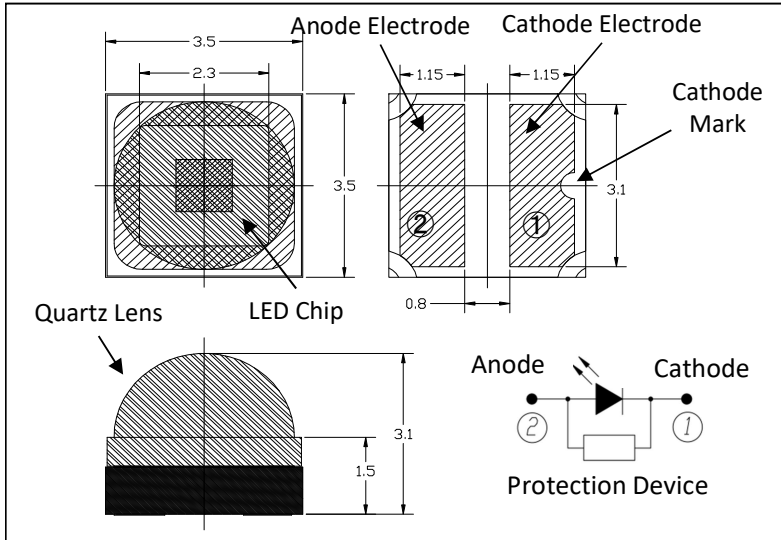


MODEL 310-FL-02-G01

3.5 x 3.5mm Metal Sealed SMD Hemispherical Lens Type

Mechanical Specifications and Materials (Unit: mm)



Typical Optical-Electrical Characteristics

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

Item	Symbol	Unit	310-FL-02-G01		
			Min	Typ	Max
Peak Wavelength(*)	λ_p	nm	305	310	315
Radiant Flux(**)	P_o	mW	31	43	-
Full Width at Half Maximum	$\Delta\lambda$	nm	-	15	20
Forward voltage	V_F	V	-	5.9	-
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.

	WARNING
	<ul style="list-style-type: none"> 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.

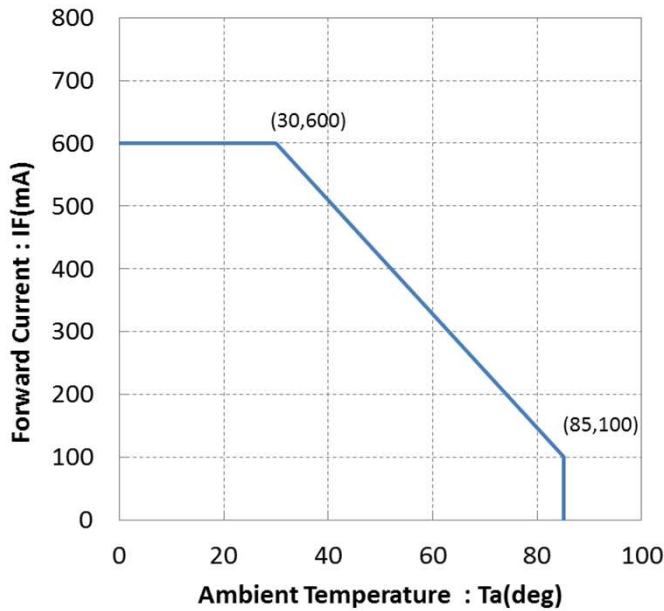
MODEL 310-FL-02-G01

3.5 x 3.5mm Metal Sealed SMD Hemispherical Lens Type

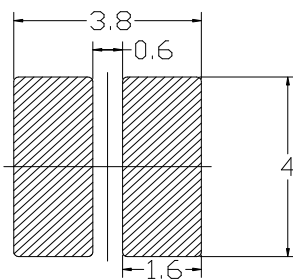
Absolute Maximum Ratings

Item	Symbol	Unit	Value
Forward Current	I_F	mA	600
Junction Temperature	T_J	°C	100
Operating Temperature	T_{OPR}	°C	-30 ~ +85
Storage Temperature	T_{STR}	°C	-40 ~ +85 (No condensation)

Derating Curve

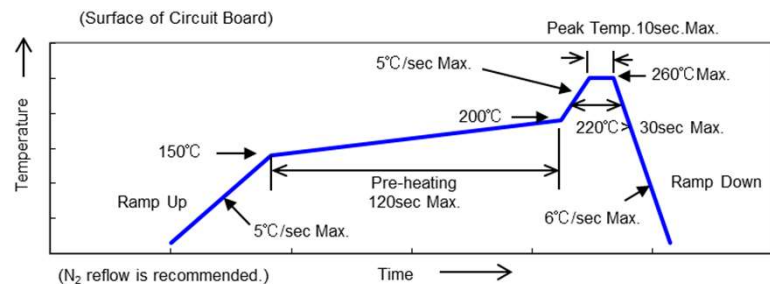


Recommended solder pad



Unit : mm

Reflow soldering profile



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

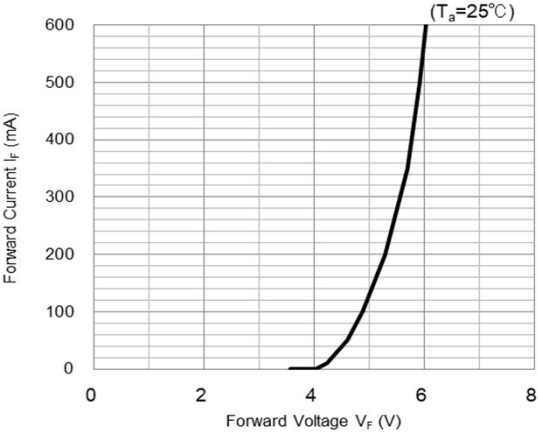


MODEL 310-FL-02-G01

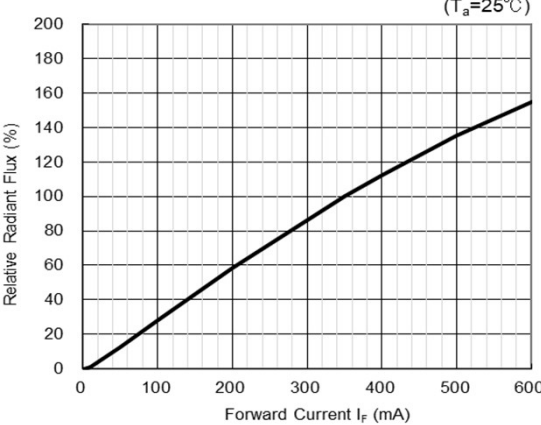
3.5 x 3.5mm Metal Sealed SMD Hemispherical Lens Type

Reference Data(1)

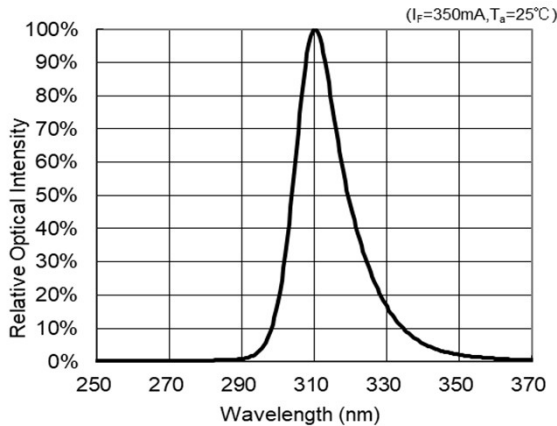
Forward Voltage vs Forward Current



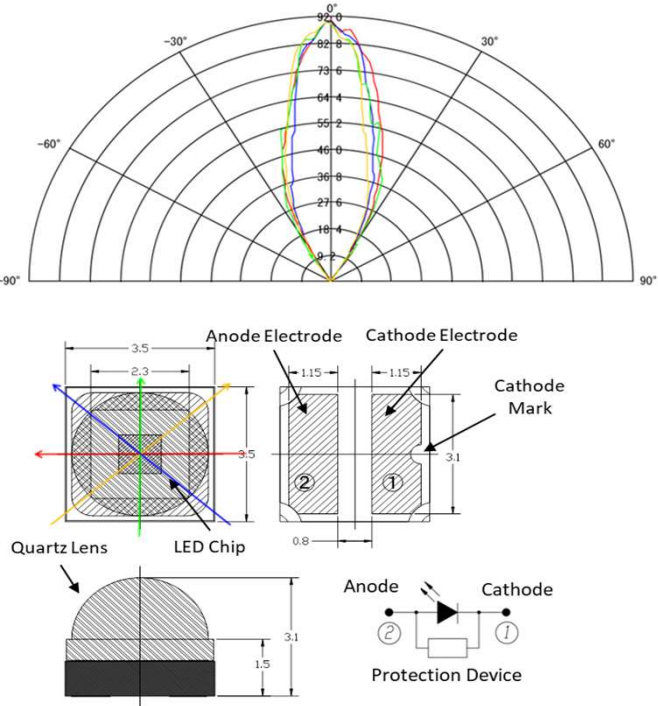
Forward Current vs Radiant Flux



Spectrum



Radiation Pattern



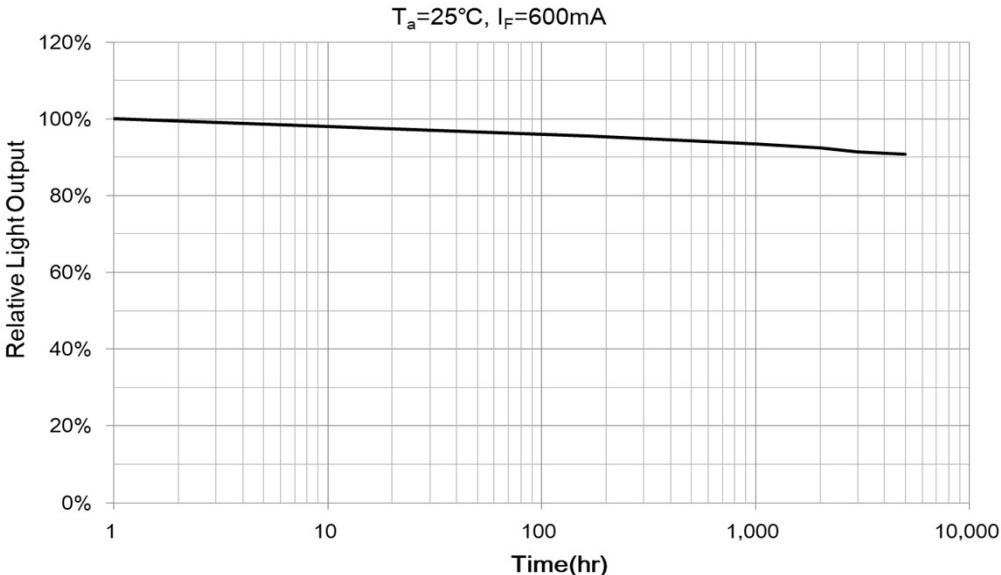
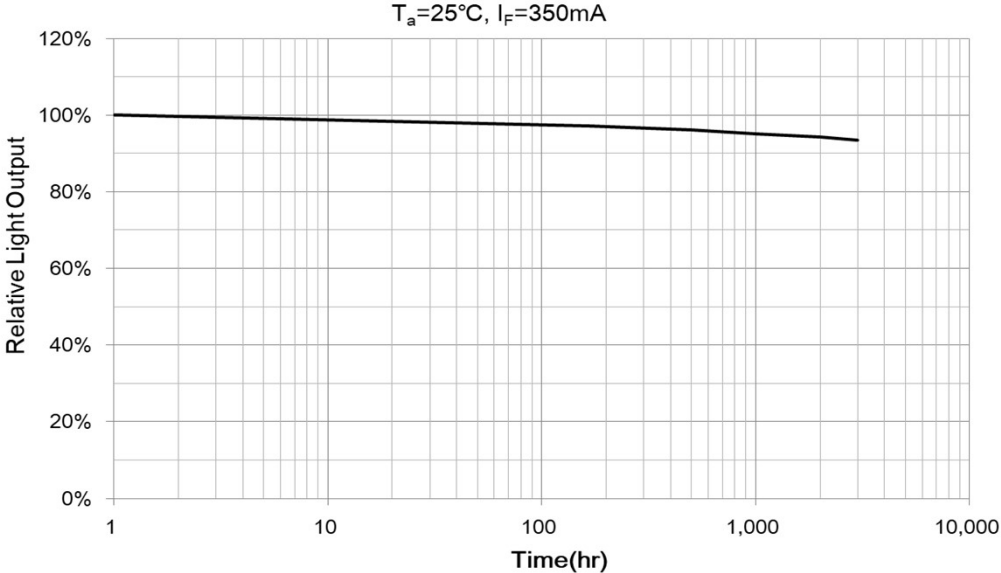


MODEL 310-FL-02-G01

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 and fan.