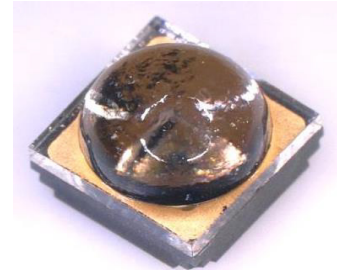
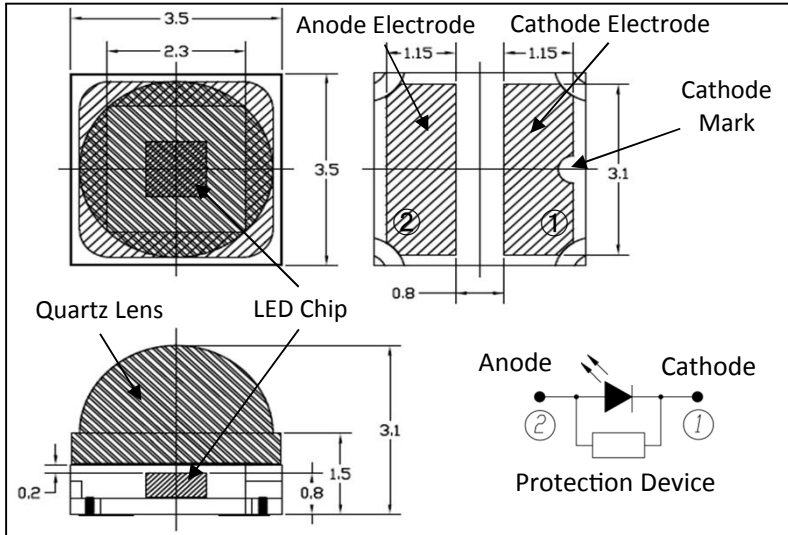


# MODEL xFxLA-0GD01 series

## 3.5 x 3.5mm SMD Hemispherical Lens Type

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



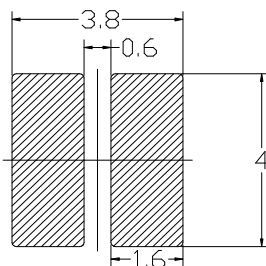
#### Product ID

- 275nm: DF7LA-0GD01
- 280nm: DF8LA-0GD01
- 310nm: UF1LA-0GD01
- 325nm: UF3LA-0GD01
- 340nm: UF4LA-0GD01

### Typical Optical-Electrical Characteristics (T<sub>a</sub>=25°C)

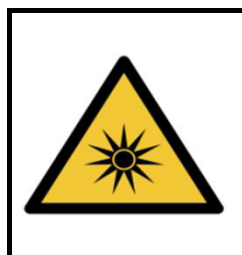
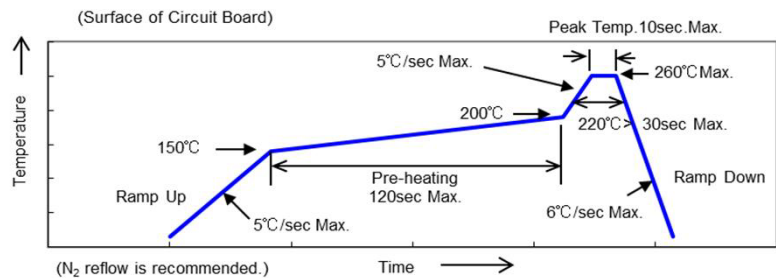
Item	Symbol	Unit	DF8LA(U)-0GD01					
			IF=350mA			IF=600mA		
			Min	Typ	Max	Min	Typ	Max
Peak Wavelength	$\lambda_p$	nm	275	280	285	-	(280)	-
Radiant Flux	P <sub>o</sub>	mW	-	26	-	-	40	-
Full Width at Half Maximum	$\Delta\lambda$	nm	-	12	-	-	(13)	-
Forward Voltage	V <sub>F</sub>	V	-	5.4	-	-	5.8	-
Viewing Half Angle	2 $\theta$ 1/2	deg.	-	35	-	-	35	-

### Recommended solder pad



Unit : mm

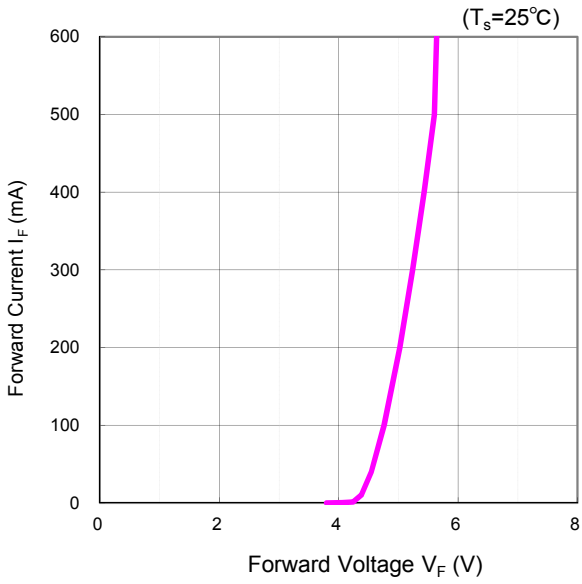
### Reflow soldering profile



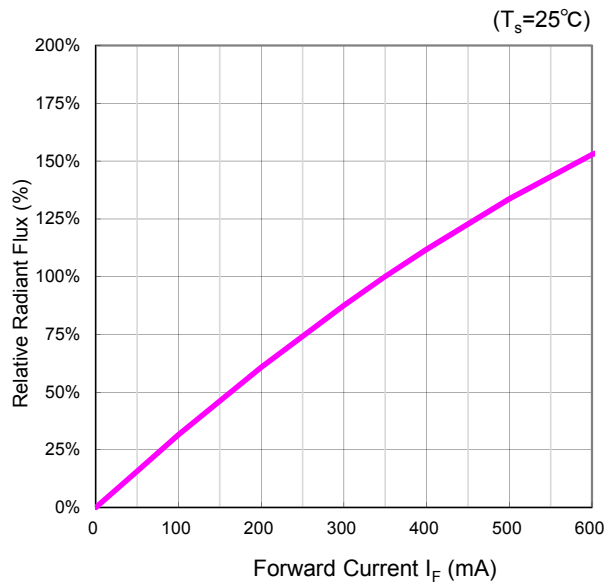
### WARNING

- LEDs emit very strong UV radiation.
- Don't look directly into the LED light.  
UV radiation can harm your eyes.
- To prevent even inadequate exposure, wear protective eyewear.
- If LEDs are embedded in devices, please indicate warning labels against the UV light LED used.
- Keep out of reach of children.
- Specification and dimension are subject to change for improvement without notice.

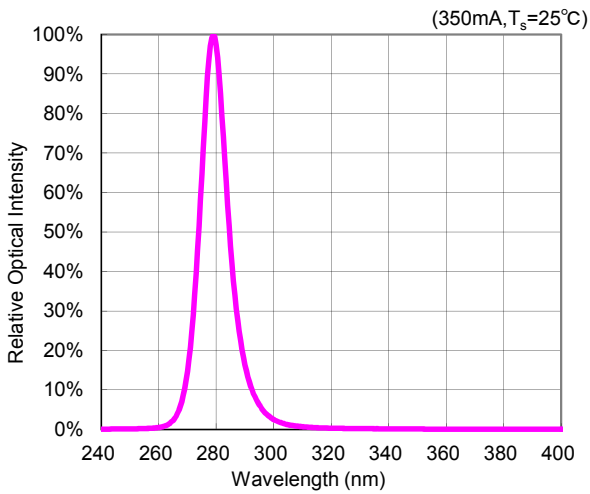
**Forward Voltage vs Forward Current**



**Forward Current vs Radiant Flux**



**Spectrum**



**Radiation Pattern**

