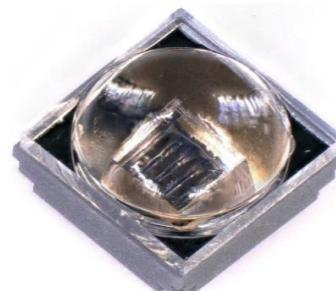
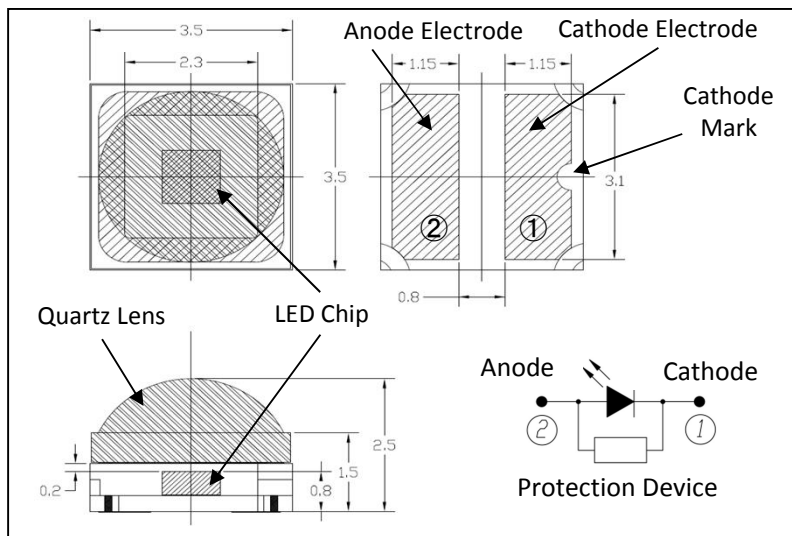


MODEL xxx-FL-01-G02 series

3.5 x 3.5mm Metal Sealed SMD Hemispherical Lens Type

Mechanical Specifications and Materials (Unit: mm)



Product ID

275nm: 275-FL-01-G02

280nm: 280-FL-01-G02

308nm: 308-FL-01-G02

325nm: 325-FL-01-G02

340nm: 340-FL-01-G02

Typical Optical-Electrical Characteristics

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

Item	Symbol	Unit	275-FL-01-G02			280-FL-01-G02			308-FL-01-G02			325-FL-01-G02			340-FL-01-G02		
			Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max
Peak Wavelength(*)	λ_p	nm	270	275	280	275	280	285	303	308	313	320	325	330	335	340	345
Radiant Flux(**)	P_o	mW	19	29	39	19	29	39	24	39	48	24	35	43	24	35	43
Full Width at Half Maximum	$\Delta\lambda$	nm	-	11	-	-	11	-	-	14	-	-	12	-	-	10	-
Forward voltage	V_F	V	-	5.4	-	-	5.4	-	-	5.5	-	-	5.2	-	-	5.0	-
Viewing Half Angle	$2\theta_{1/2}$	deg.	-	65	-	-	65	-	-	65	-	-	65	-	-	65	-

$I_F=600\text{mA}$, $T_a=25^\circ\text{C}$

Item	Symbol	Unit	275-FL-01-G02			280-FL-01-G02			308-FL-01-G02			325-FL-01-G02			340-FL-01-G02		
			Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max
Peak Wavelength(*)	λ_p	nm	-	(275)	-	-	(280)	-	-	(308)	-	-	(325)	-	-	(340)	-
Radiant Flux(**)	P_o	mW	-	43	-	-	43	-	-	58	-	-	54	-	-	58	-
Full Width at Half Maximum	$\Delta\lambda$	nm	-	(12)	-	-	(12)	-	-	(15)	-	-	(12)	-	-	(10)	-
Forward voltage	V_F	V	-	6.0	-	-	6.0	-	-	6.0	-	-	5.5	-	-	5.2	-
Viewing Half Angle	$2\theta_{1/2}$	deg.	-	65	-	-	65	-	-	65	-	-	65	-	-	65	-

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

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

Binning is available.

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

WARNING

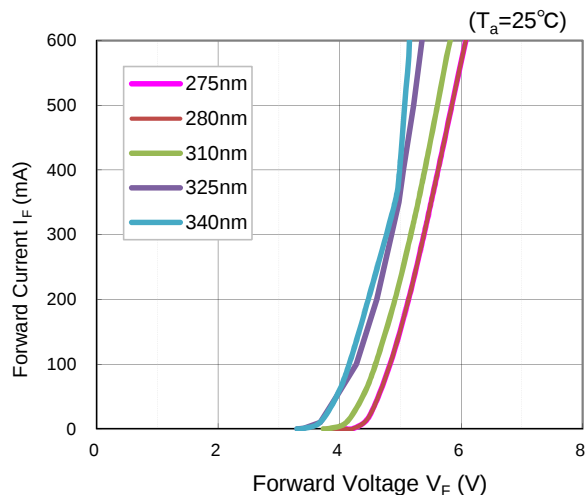
- LEDs emit very strong UV radiation.
- Do not look at the LED light with the naked eye or irradiate the skin.
UV radiation can harm your eyes and skin.
- To prevent UV radiation exposure, wear protective eyewear and protective equipment.
- If LEDs are embedded in devices, please indicate warning labels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

CD-7-2-11-xxx-FL-01-G02, Rev.0.2

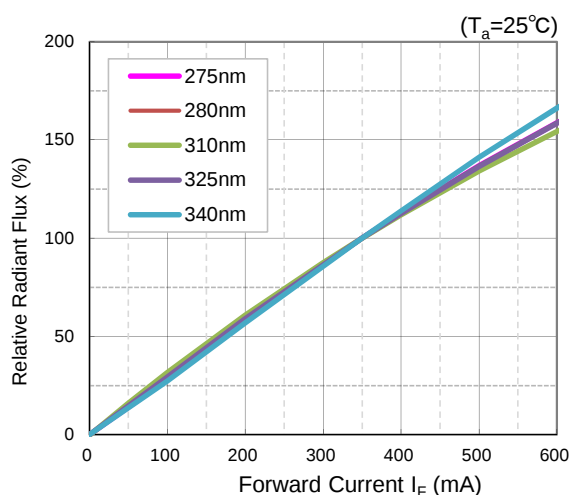
MODEL xxx-FL-01-G02 series

3.5 x 3.5mm Metal Sealed SMD Hemispherical Lens Type

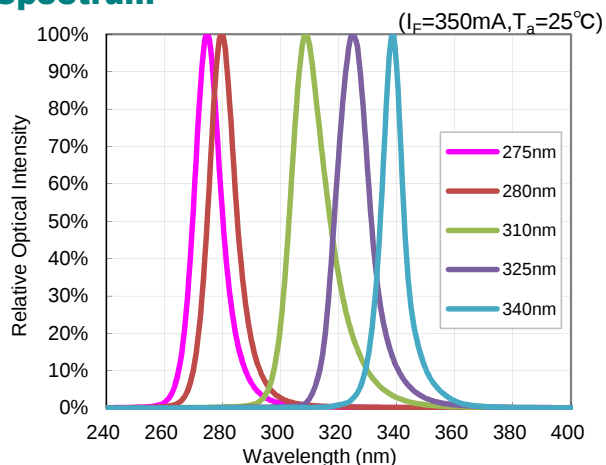
Forward Voltage vs Forward Current



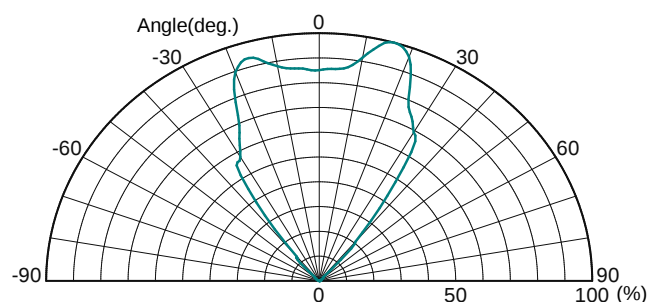
Forward Current vs Radiant Flux



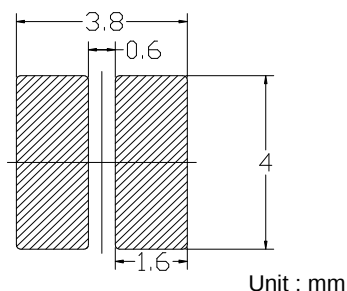
Spectrum



Radiation Pattern



Recommended solder pad



Reflow soldering profile

