

## Model xxx-FD-01 series

### Bare Die (Flip chip form, Au Pad)

#### Typical Optical-Electrical Characteristics

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

Item	Symbol	Unit	265-FD-01			275-FD-01			280-FD-01		
			Min	Typ	Max	Min	Typ	Max	Min	Typ	Max
Peak Wavelength	$\lambda_p$	nm	260	265	270	270	275	280	275	280	285
Radiant Flux	$P_o$	mW	-	12	-	-	15	-	-	15	-
Full Width at Half Maximum	$\Delta\lambda$	nm	-	11	-	-	11	-	-	11	-
Forward Voltage	$V_F$	V	-	5.2	-	-	5.2	-	-	5.2	-


Item	Symbol	Unit	308-FD-01			325-FD-01			340-FD-01		
			Min	Typ	Max	Min	Typ	Max	Min	Typ	Max
Peak Wavelength	$\lambda_p$	nm	303	308	313	320	325	330	335	340	345
Radiant Flux	$P_o$	mW	-	15	-	-	15	-	-	15	-
Full Width at Half Maximum	$\Delta\lambda$	nm	-	15	-	-	13	-	-	9	-
Forward Voltage	$V_F$	V	-	5.3	-	-	4.7	-	-	4.5	-

(\*)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.

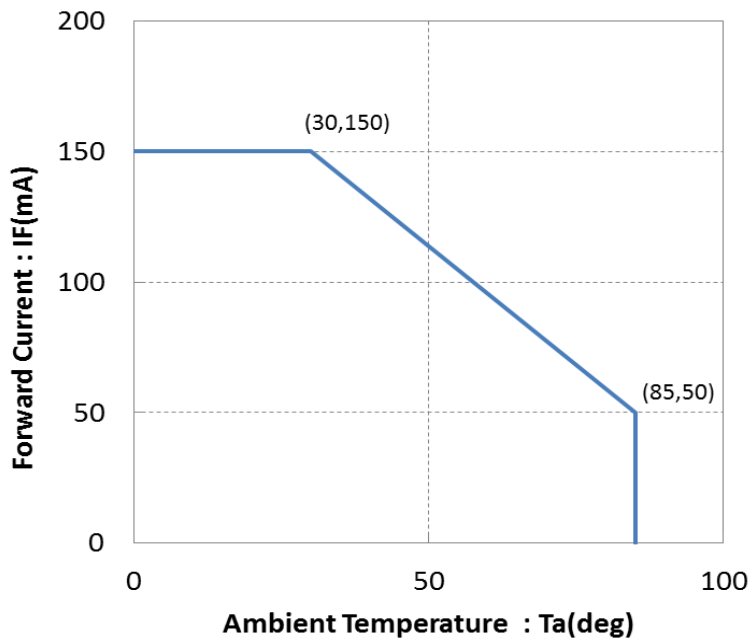
	<b>⚠ WARNING</b>
<ul style="list-style-type: none"> <li>• LEDs emit very strong UV radiation.</li> <li>• Do not look at the LED light with the naked eye or irradiate the skin. UV radiation can harm your eyes and skin.</li> <li>• To prevent UV radiation exposure, wear protective eyewear and protective 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>	

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### Absolute Maximum Ratings

Item	Symbol	Unit	Value
Forward Current	IF	mA	150
Junction Temperature	T <sub>J</sub>	°C	90
Operating Temperature	T <sub>OPR</sub>	°C	-30 ~ +85
Storage Temperature	T <sub>STR</sub>	°C	-40 ~ +85 (No condensation)

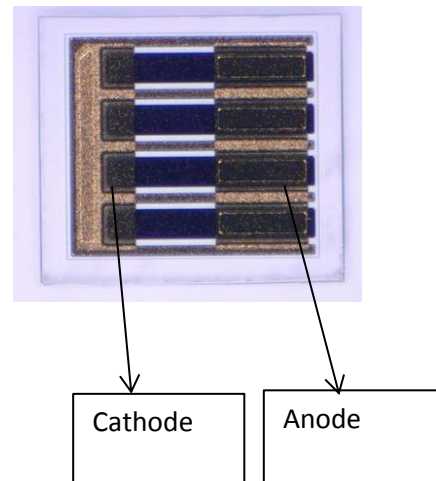
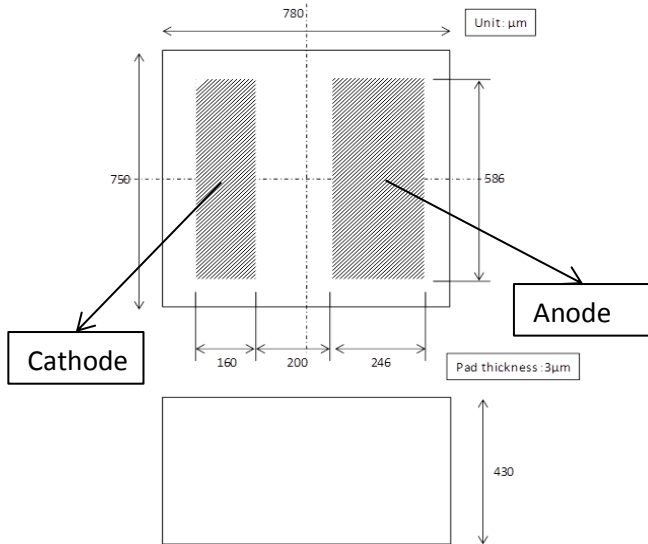
### Derating Curve



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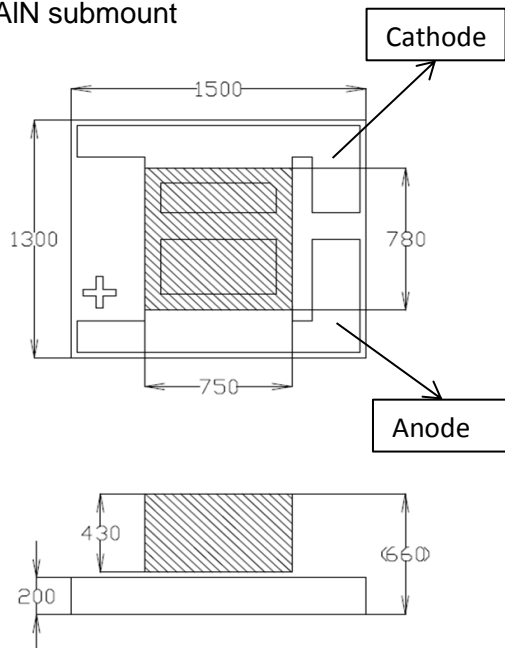
Product ID, Physical dimensions and Sample photo

### xxx-FD-01-C



### xxx-FD-01-S0A

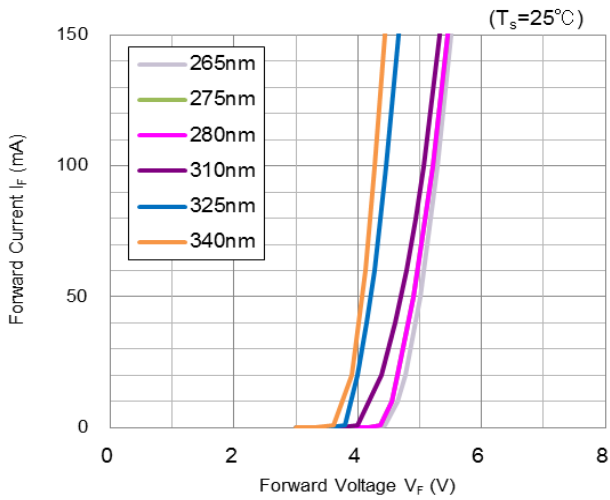
With AlN submount



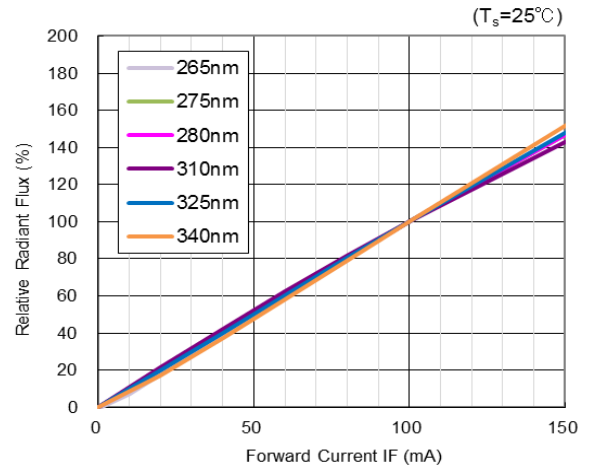
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**Forward Voltage vs Forward Current**



**Forward Current vs Radiant Flux**



**Spectrum**

