

Model xxx-SD-01 series

Bare Die (Flip chip form, AuSn Pad)

Typical Optical-Electrical Characteristics

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

Item	Symbol	Unit	265-SD-01			275-SD-01			280-SD-01		
			Min	Typ	Max	Min	Typ	Max	Min	Typ	Max
Peak Wavelength	λ_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-SD-01			325-SD-01			340-SD-01		
			Min	Typ	Max	Min	Typ	Max	Min	Typ	Max
Peak Wavelength	λ_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.

Absolute Maximum Ratings

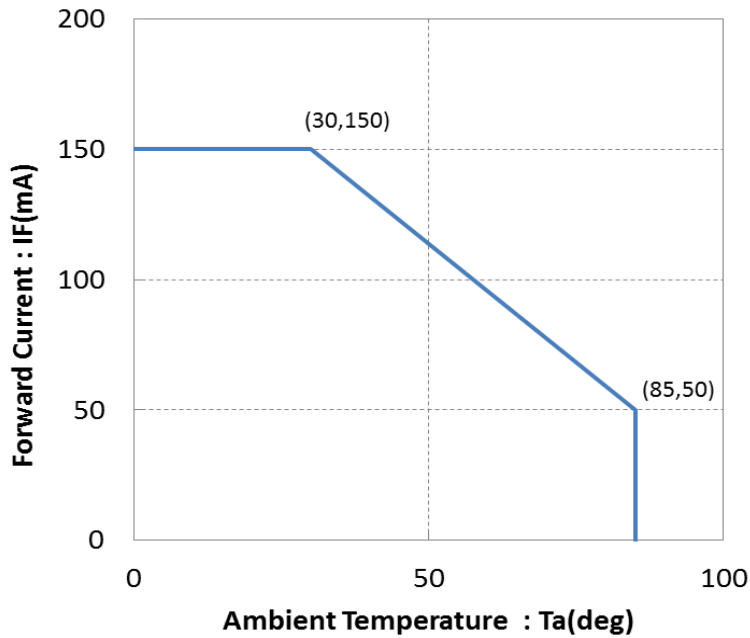
Item	Symbol	Unit	Value
Forward Current	I_F	mA	150
Junction Temperature	T_J	$^\circ\text{C}$	90
Operating Temperature	T_{OPR}	$^\circ\text{C}$	-30 ~ +85
Storage Temperature	T_{STR}	$^\circ\text{C}$	-40 ~ +85 (No condensation)

	⚠ 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. 	

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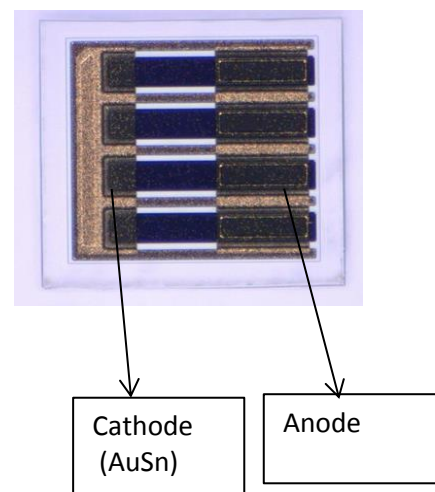
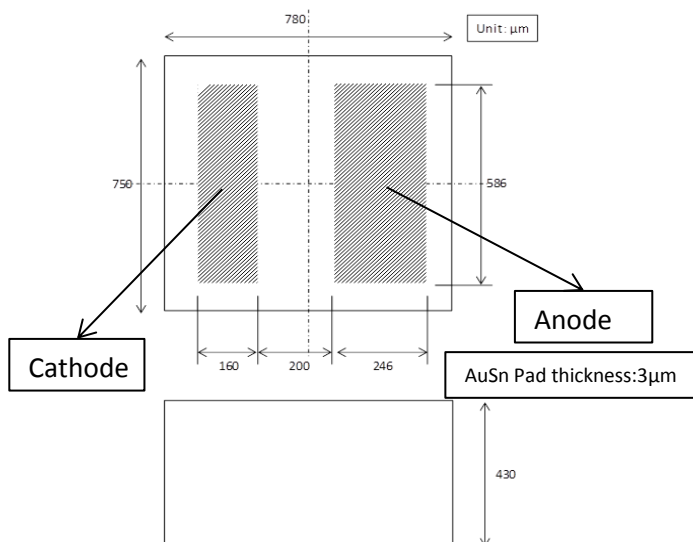
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Derating Curve



Product ID, Physical dimensions and Sample photo

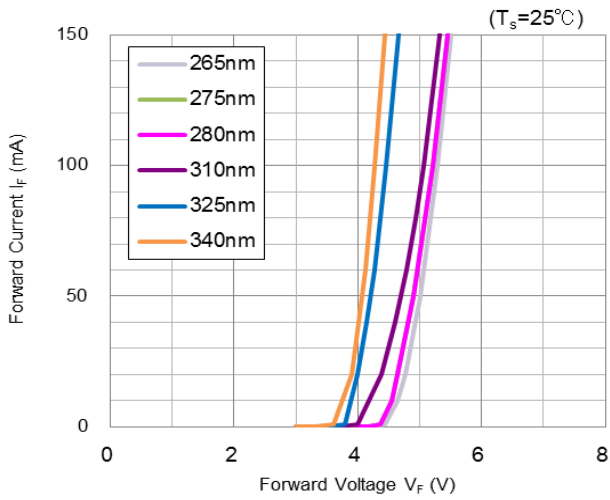
xxx-SD-01-C



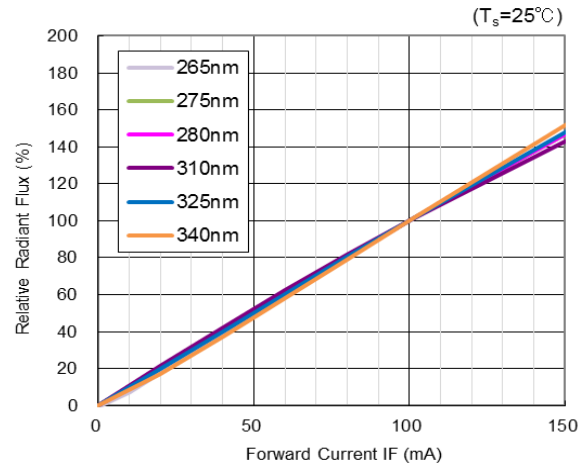
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Forward Voltage vs Forward Current



Forward Current vs Radiant Flux



Spectrum

