Model 325-FF-03-C

Bare Die (Flip chip form, Au Pad)

Typical Optical-Electrical Characteristics

(I_F=20mA, T_a=25°C)

Item	Symbol	Unit	Min	Typ	Max
Peak Wavelength(*)	λ_p	nm	320	325	330
Radiant Flux(**)	P_o	mW	3.8	5.5	–
Full Width at Half Maximum	$\Delta\lambda$	nm	-	10	15
Forward voltage	V_F	V	3.7	3.9	4.6

(I_F=50mA, T_a=25°C)

Item	Symbol	Unit	Min	Typ	Max
Peak Wavelength(*)	λ_p	nm	320	325	330
Radiant Flux(**)	P_o	mW	–	14	–
Full Width at Half Maximum	$\Delta\lambda$	nm	–	10	15
Forward voltage	V_F	V	–	4.2	–

(*)Peak Wavelength Measurement tolerance is ±3nm.

(**)Radiant Flux Measurement tolerance is ±10%.

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

Absolute Maximum Ratings

Item	Symbol	Unit	Value
Forward Current	I_F	mA	50
Reverse Voltage	V_R	V	5
Junction Temperature	T_J	℃	90
Operating Temperature	T_{OPR}	℃	-30 ～ +85
Storage Temperature	T_{STR}	℃	-40 ～ +85 (No condensation)

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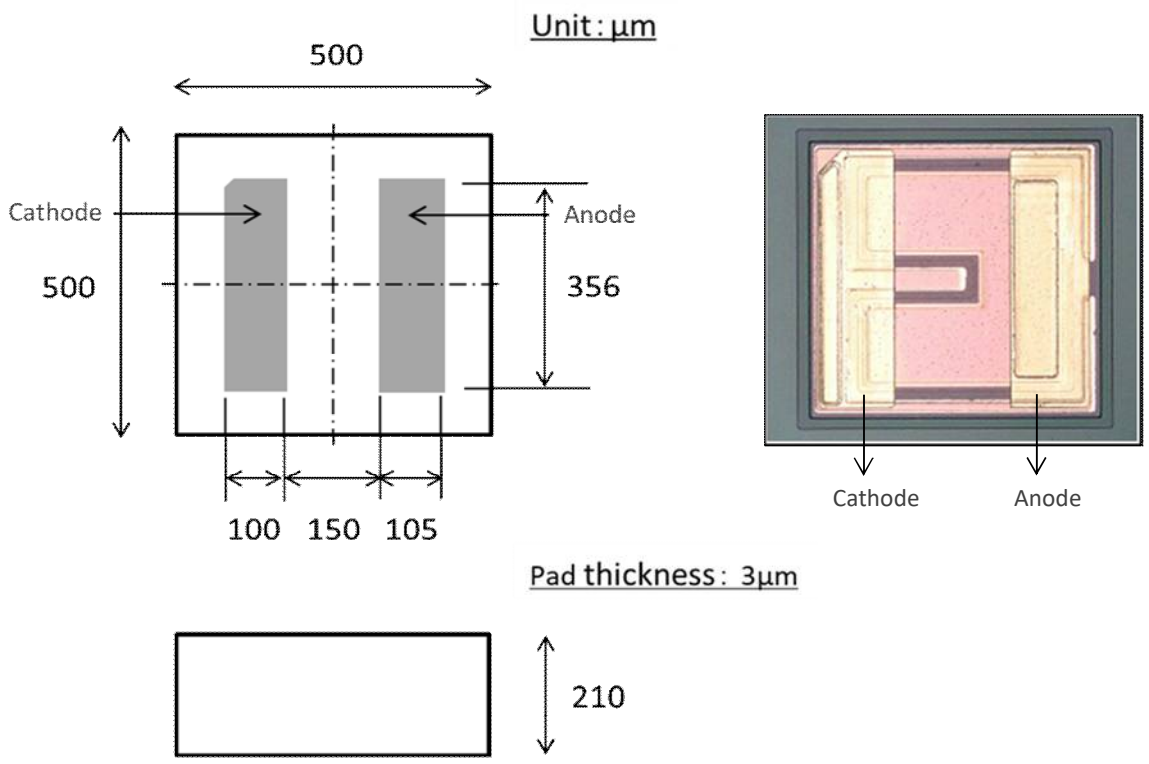
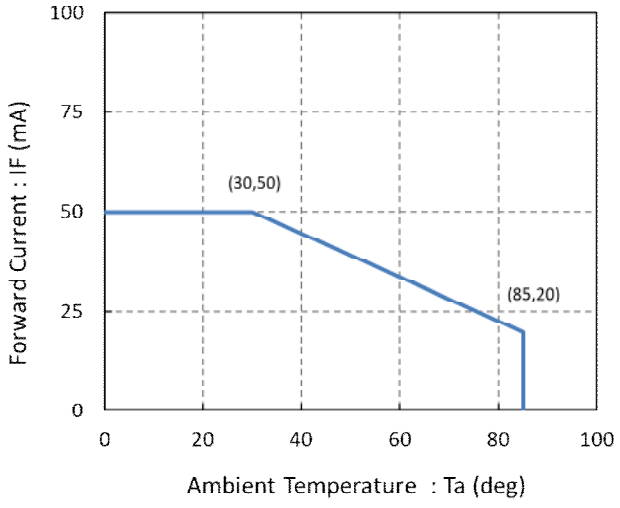
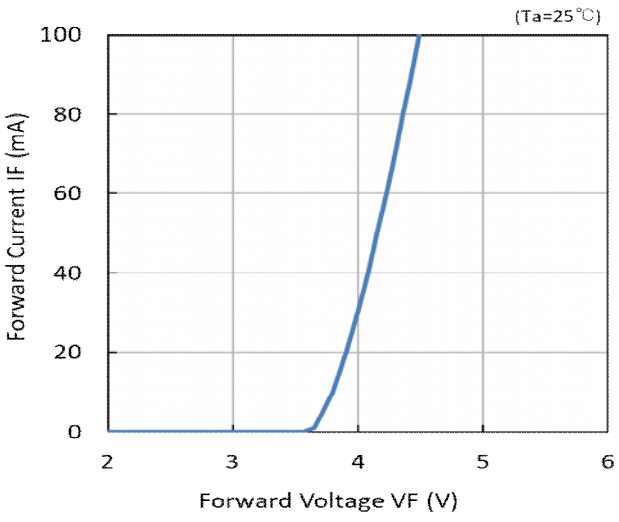
Physical dimensions and Sample photo



Derating Curve



Forward Voltage vs Forward Current



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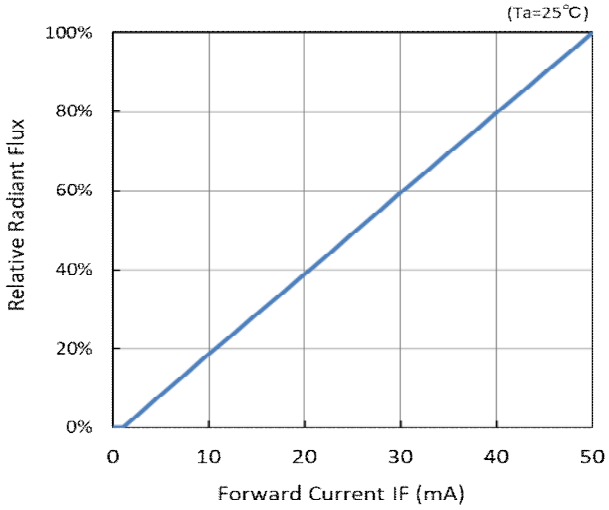
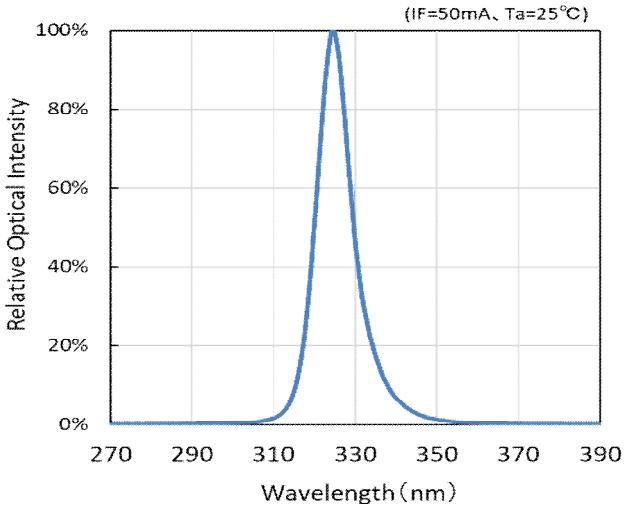
Forward Current vs Radiant Flux

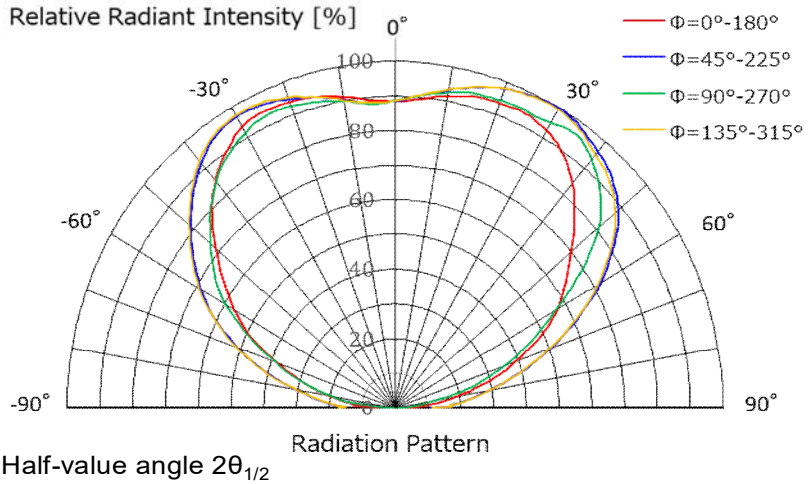


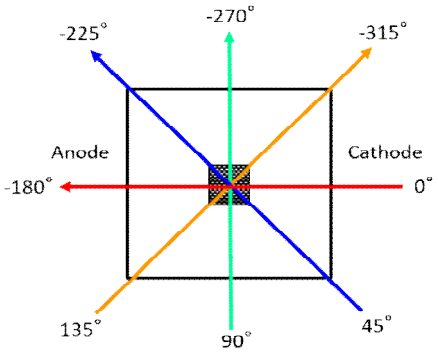
Spectrum



・These data as on the page 2 to 3 were determined with Al-substrate on a heat sink and fan.

Radiation Pattern





Half-value angle $2\theta_{1/2}$

0°	45°	90°	135°	min	ave	max
131.6	140.9	129.5	141.2	129.5	135.8	141.2

・This data is for reference only.

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Handling Static Electricity

This product is sensitive to static electricity and surge voltages, which may damage the device and reduce reliability. When handling the product, please refer to the example below and take sufficient measures against static electricity.

- Charge removal using wrist straps, conductive clothing, conductive shoes, conductive flooring, etc.
- Eliminating electric charges by installing equipment, jigs, etc. in the work area.
- Installation of workbenches, storage shelves, etc. using conductive materials.

⚠ 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.