MODEL 340-FG-03-G02

3.5 x 3.5mm Metal Sealed SMD Hemispherical Lens Type

Typical Optical-Electrical Characteristics

(I_F=100mA, T_a=25°C)

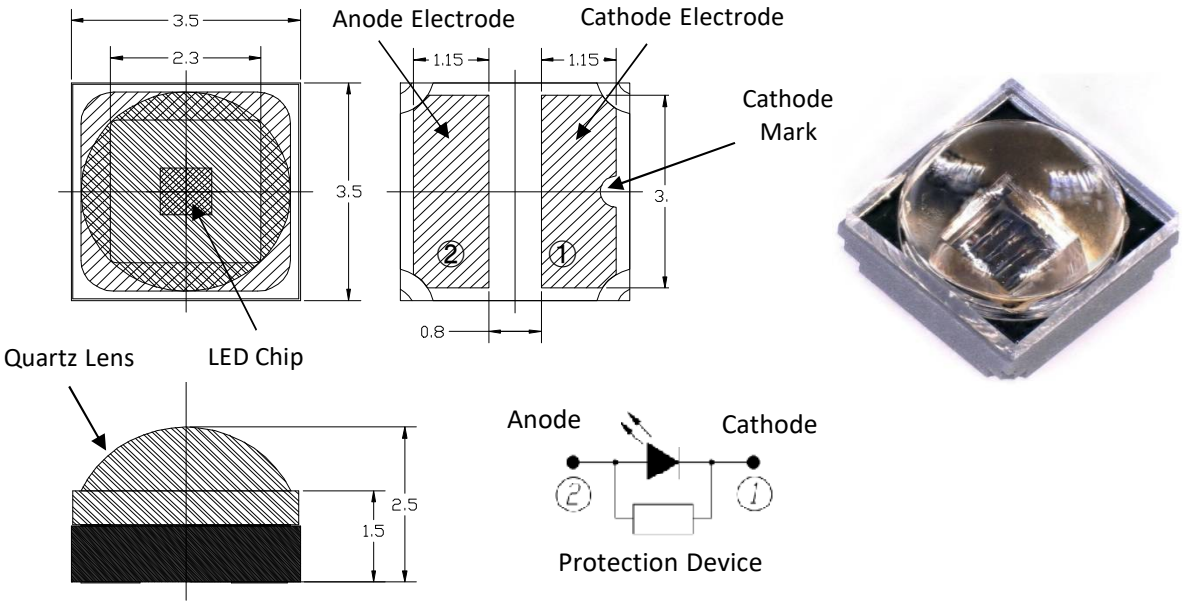
Item	Symbol	Unit	Min	Typ	Max
Peak Wavelength(*)	λ_p	nm	335	340	345
Radiant Flux(**)	P_o	mW	14	26	-
Full Width at Half Maximum	$\Delta\lambda$	nm	-	10	15
Forward voltage	V_F	V	3.6	4.1	5.2
Viewing Half Angle	$2\theta_{1/2}$	deg.	-	65	-

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

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

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

Mechanical Specifications and Exterior photo



Unit : mm

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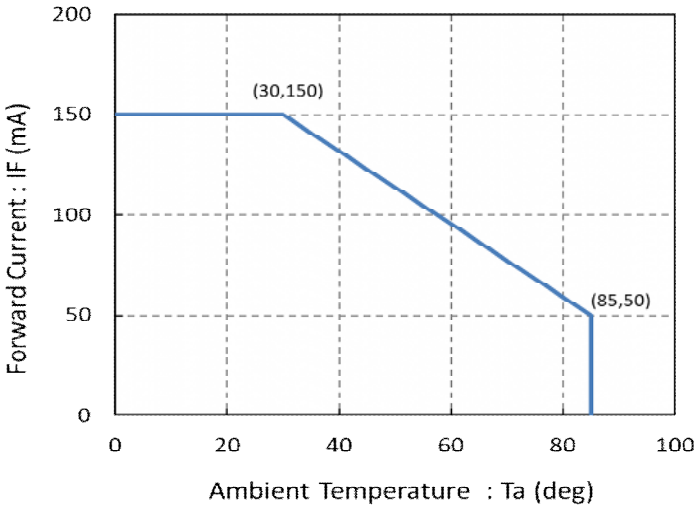
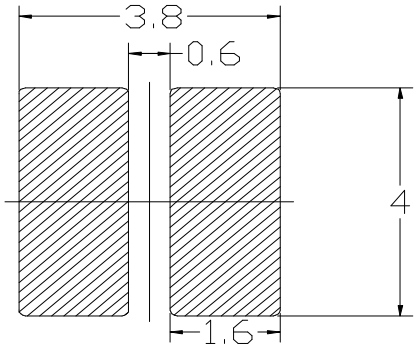
Absolute Maximum Ratings

Item	Symbol	Unit	Value
Forward Current	I_F	mA	150
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)

Derating Curve

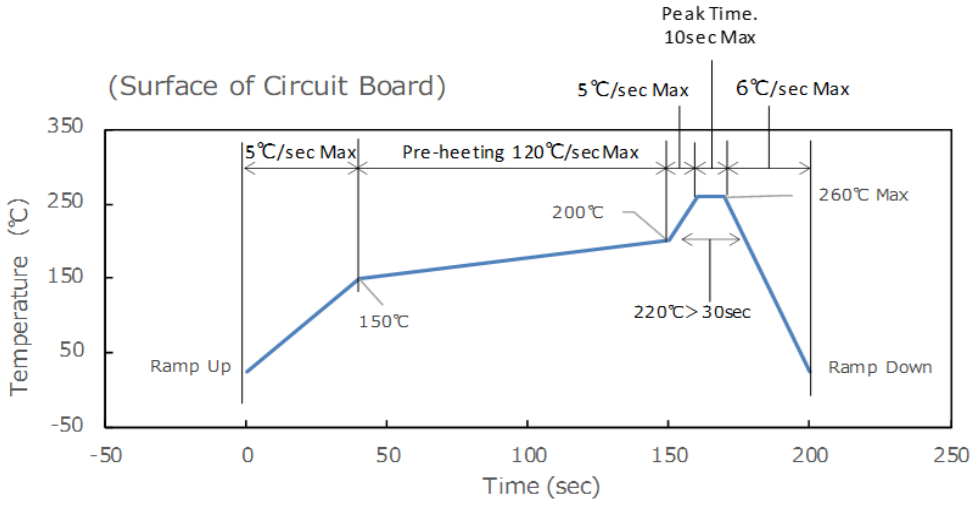


Recommended solder pad



Unit : mm

Reflow soldering profile



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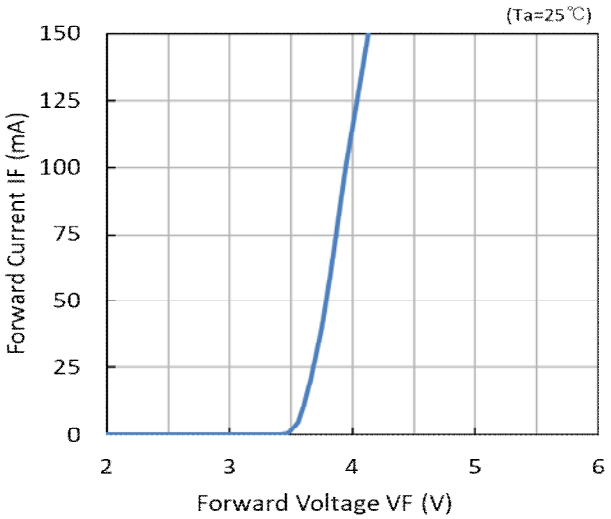
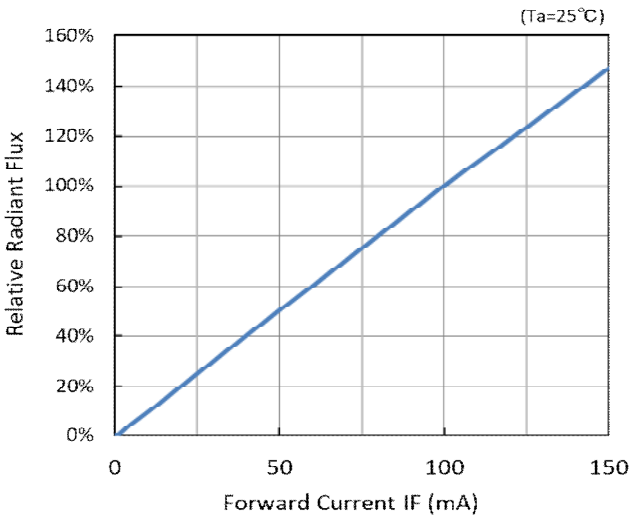
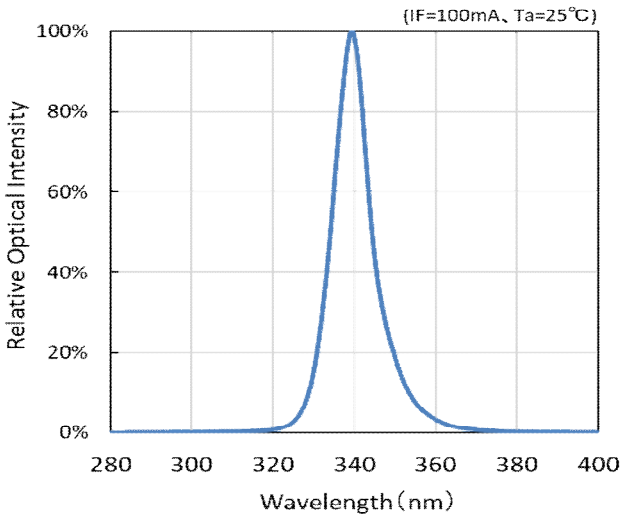
Forward Voltage vs Forward Current



Forward Current vs Radiant Flux



Spectrum



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

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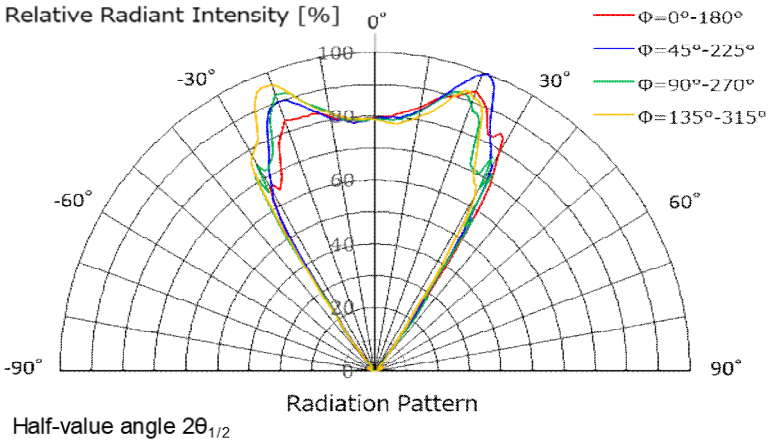
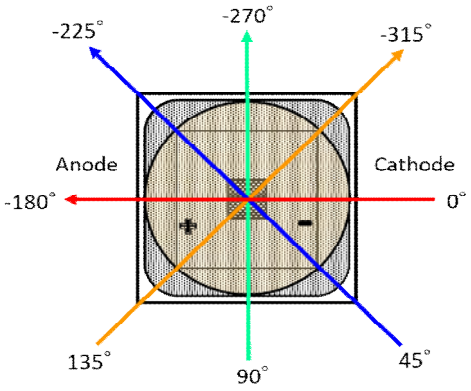
Radiation Pattern





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

0°	45°	90°	135°	min	ave	max
67.3	65.6	67.3	65.5	65.5	66.4	67.3

・This data is for reference only.

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.