

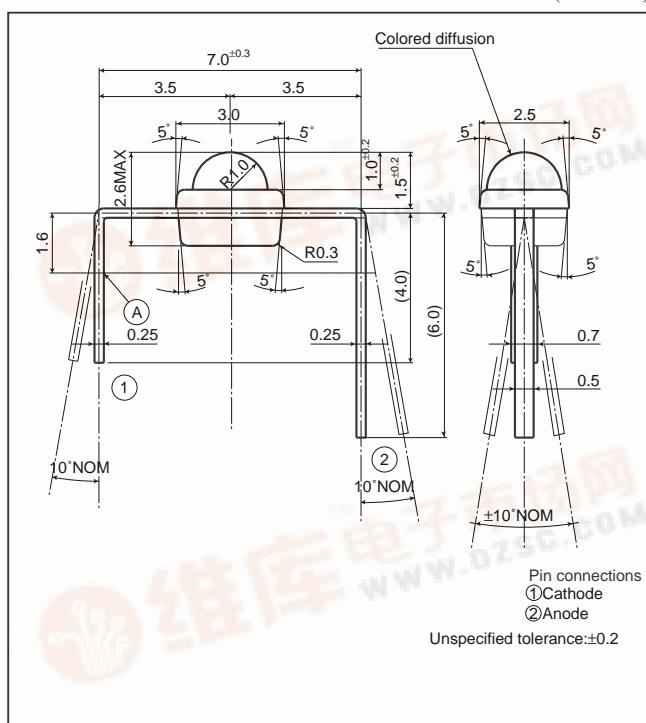
Mini-mold LED Lamp

GL1□□112 series

GL1□□112 series

■ Outline Dimensions

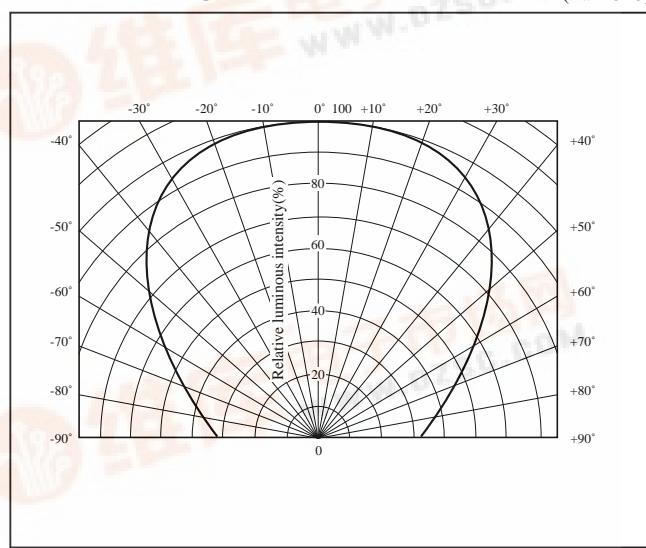
(Unit:mm)



ø2mm, Forming Type, Colored Diffusion, Compact LED Lamp for Backlight/Indicator

■ Radiation Diagram

(Ta=25°C)



■ Absolute Maximum Ratings

(Ta=25°C)

Model No.	Radiation color	Radiation material	Power dissipation P (mW)	Forward current If (mA)	Peak forward current Ifm ^{*1} (mA)	Derating factor (mA/°C)		Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{stg} (°C)	Soldering temperature T _{sol} ^{*2} (°C)
						DC	Pulse				
GL1PR112	Red	GaP	23	10	50	0.13	0.67	5	-25 to +85	-25 to +100	260
GL1HD112	Red	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL1HS112	Sunset orange	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL1HY112	Yellow	GaAsP on GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	260
GL1EG112	Yellow-green	GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	260

*1 Duty ratio=1/10, Pulse width=0.1ms

*2 Below theⒶ portion of outline drawing

■ Electro-optical Characteristics

(Ta=25°C)

Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength λ _p (nm) TYP	Luminous intensity I _F (mA) TYP	Spectrum radiation bandwidth Δλ(nm) TYP	Reverse current I _R (μA) MAX	Terminal capacitance C _r (pF) TYP	Page for characteristics diagrams			
		TYP	MAX									
Colored diffusion	GL1PR112	1.9	2.3	695	5	2.6	5	10	4	55	1	→
	GL1HD112	2.0	2.8	635	20	8.8	20	10	4	20	1	→
	GL1HS112	2.0	2.8	610	20	14.0	20	10	4	15	1	→
	GL1HY112	1.9	2.5	585	10	4.5	10	10	4	35	1	→
	GL1EG112	1.95	2.5	565	10	7.0	10	10	4	35	1	→

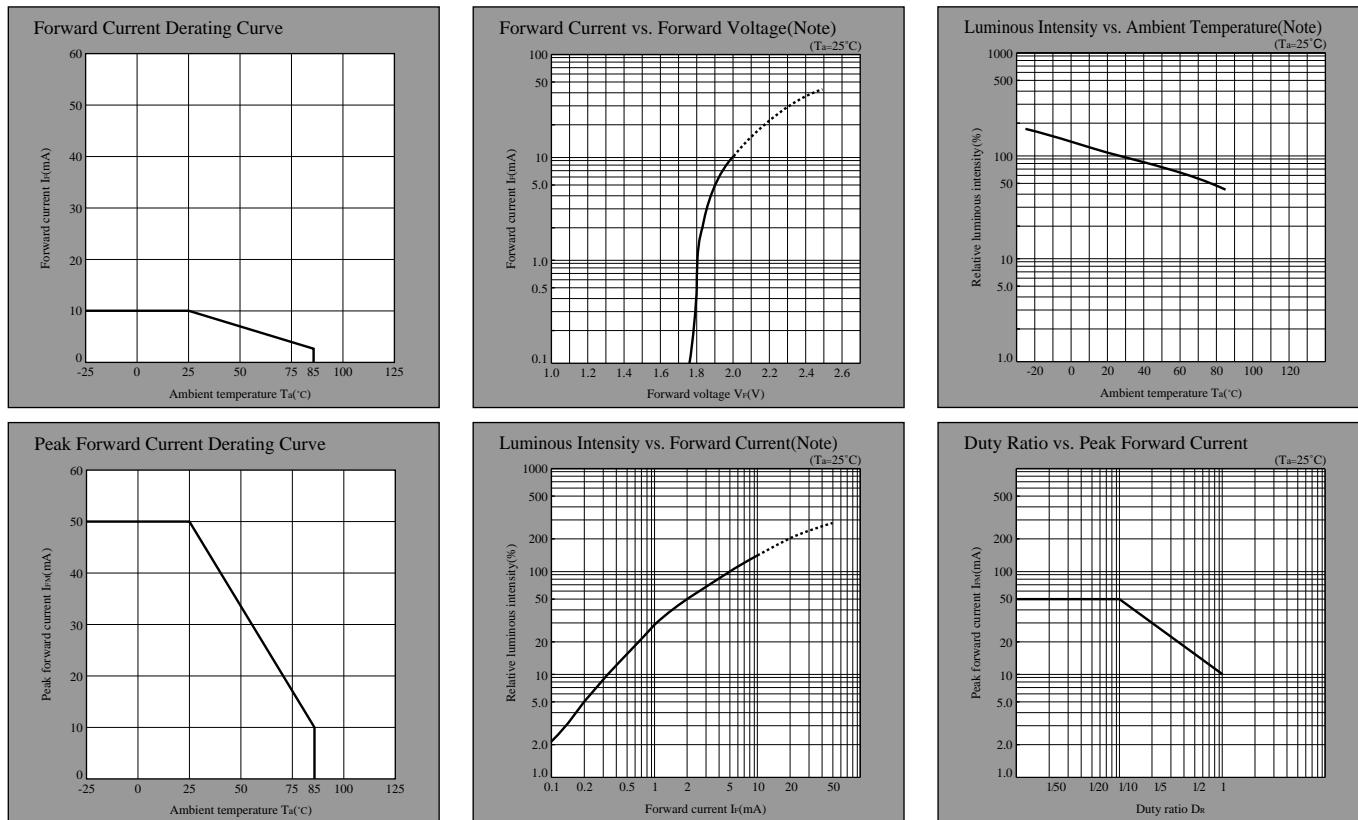
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(*) The reverse current is the current value measured at the reverse voltage of 5V, 25°C, and a current density of 100mA/cm² under the condition of a 100Hz AC voltage.

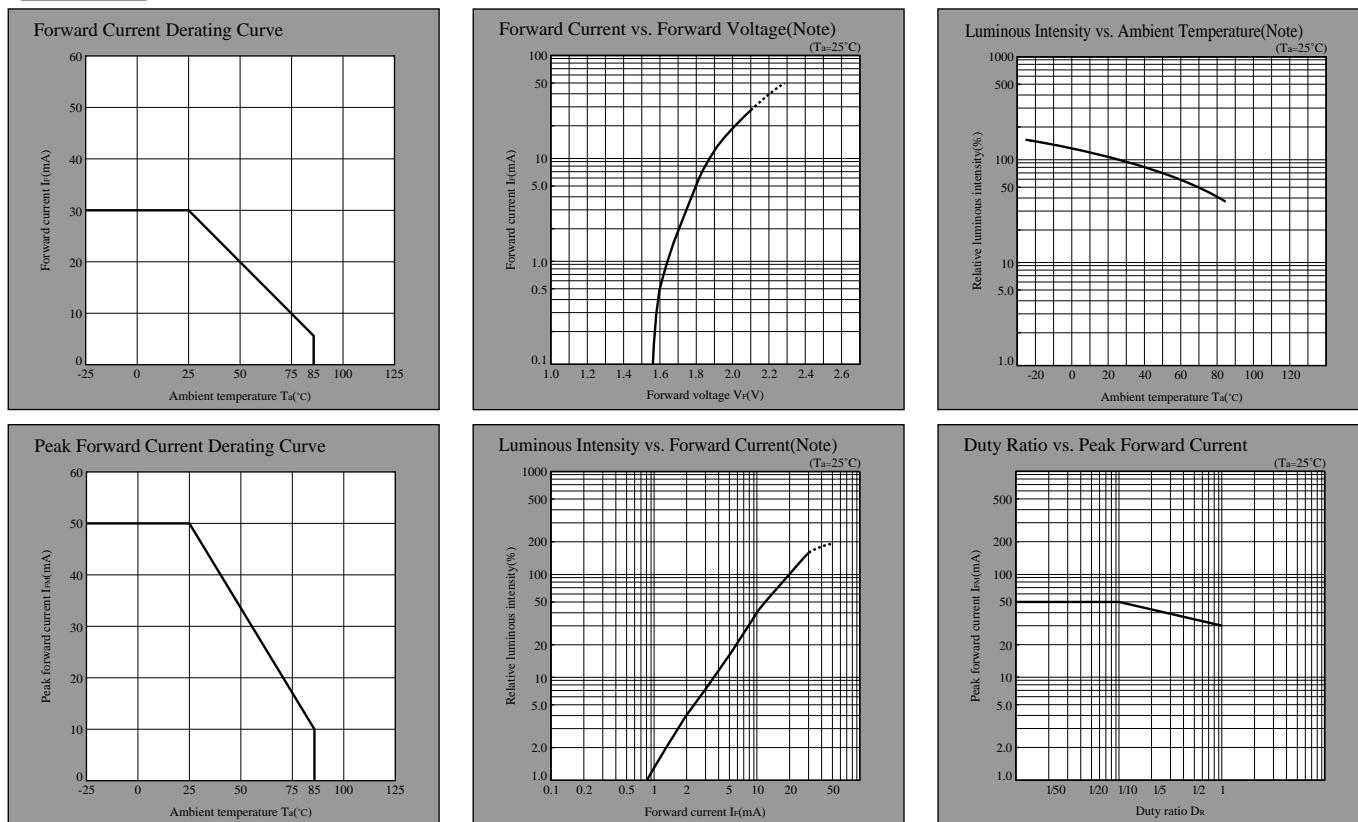


LED Lamp Characteristics Diagrams

PR series



HD series



Note) Characteristics shown in diagrams are typical values. (not assurance value)

(Notice)

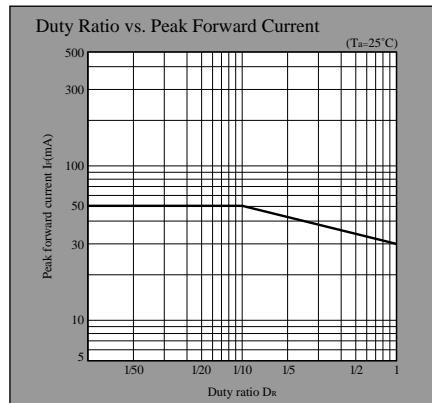
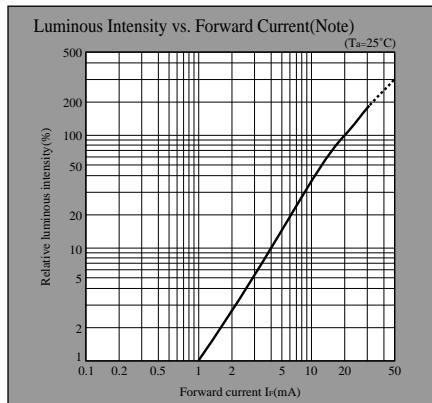
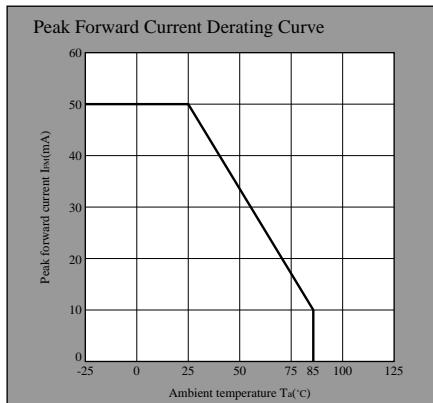
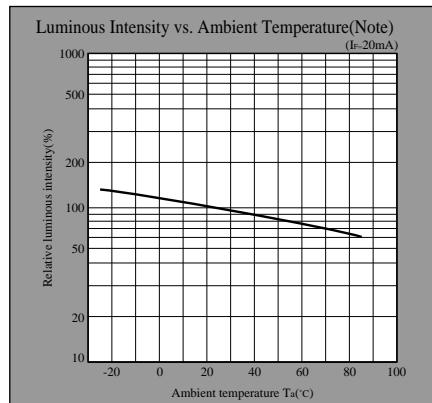
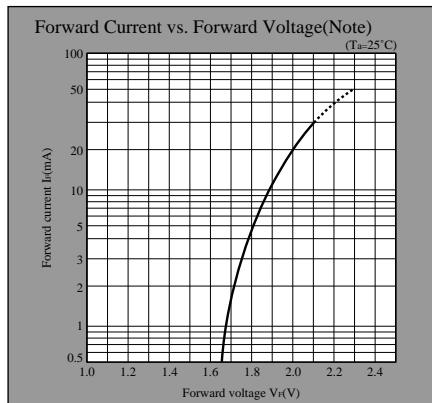
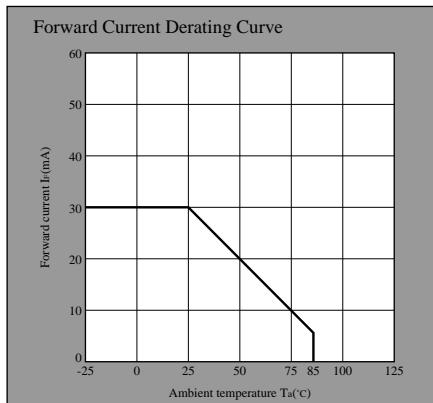
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(Note)

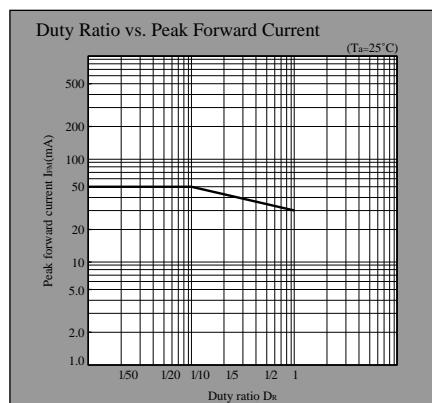
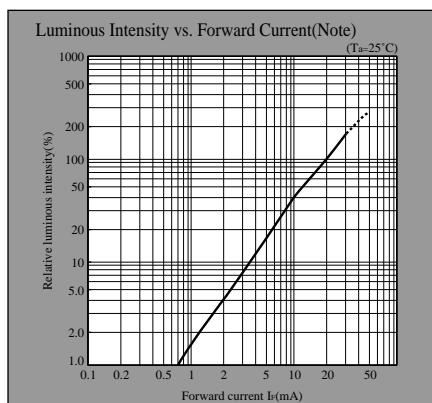
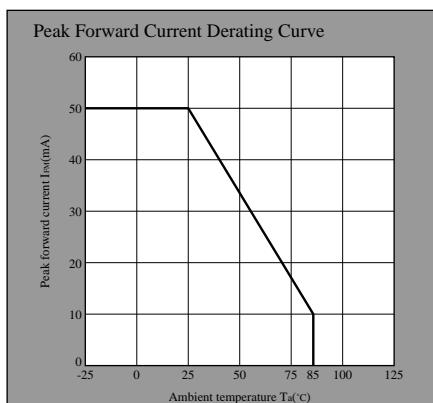
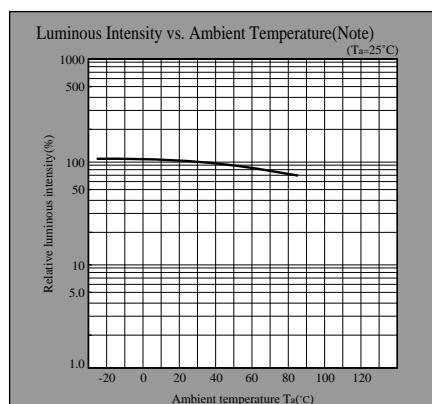
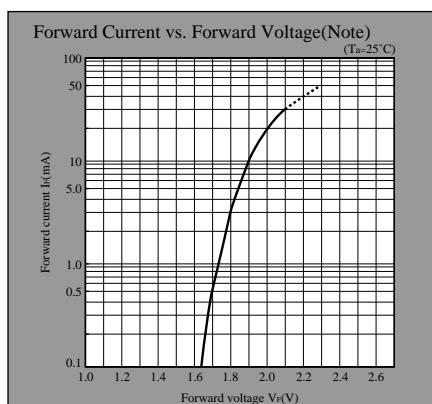
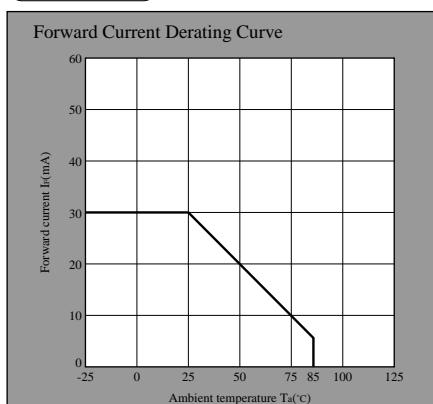
- Peak forward current $I_{f\text{p}}$ is measured at $V_f=2.0\text{V}$ and $T_a=25^\circ\text{C}$. Peak forward current $I_{f\text{p}}$ is measured at $V_f=2.0\text{V}$ and $T_a=25^\circ\text{C}$.

LED Lamp Characteristics Diagrams

HS series



HY series



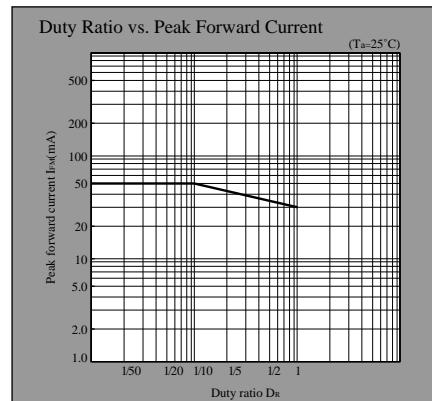
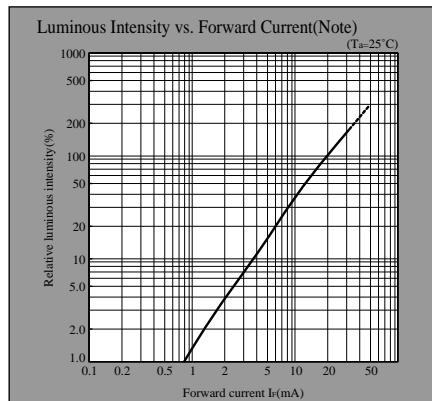
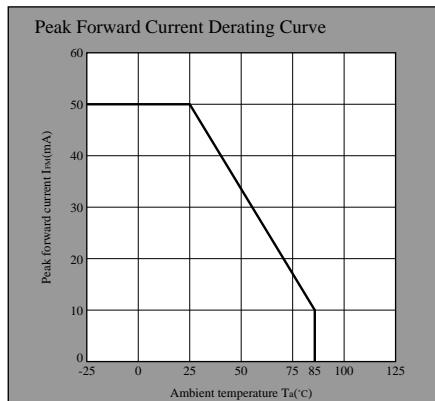
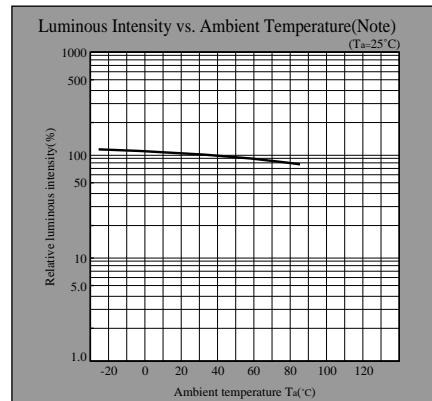
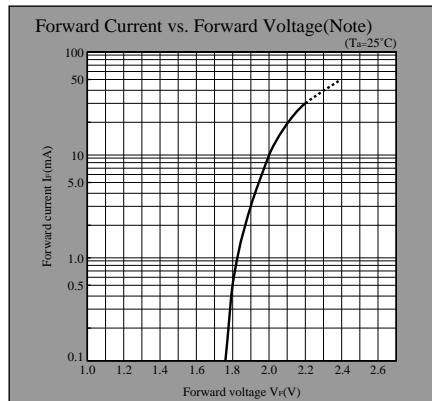
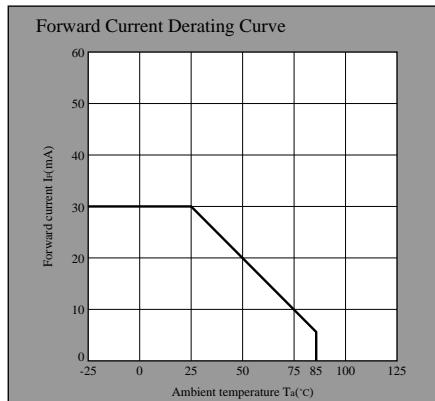
Note) Characteristics shown in diagrams are typical values. (not assurance value)

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(Notice) • Due to the characteristics of the device, it is recommended to use it at a maximum ambient temperature of 40°C. Use under the "over-temperature protection" function.

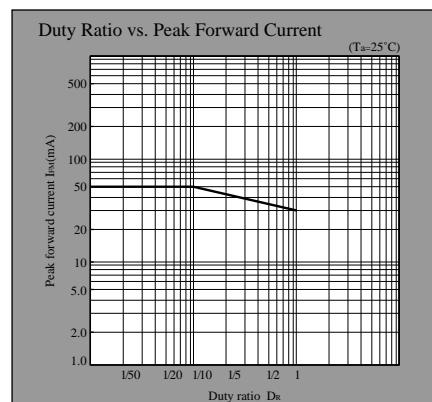
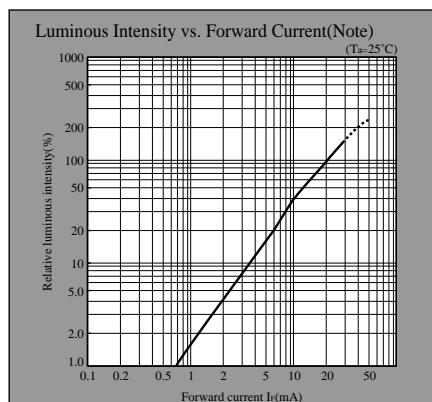
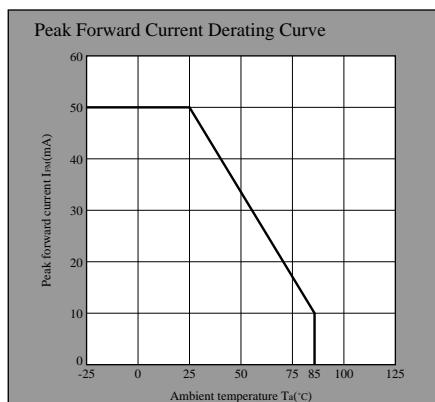
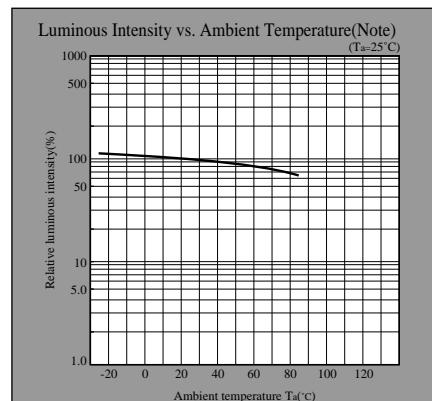
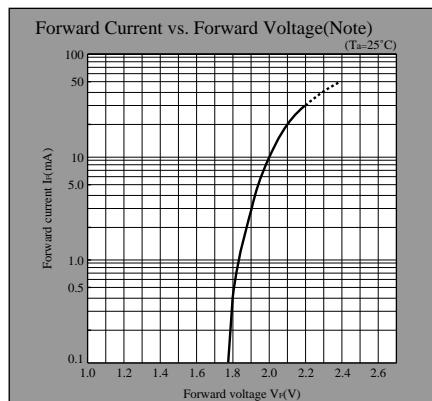
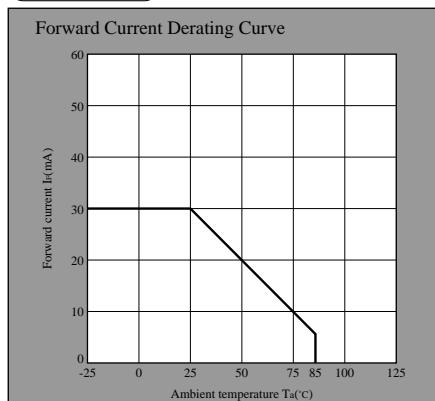
LED Lamp Characteristics Diagrams

EG series



Note) Characteristics shown in diagrams are typical values. (not assurance value)

KG series



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(Notice)

Due to the nature of the product, some variations in characteristics are inevitable. (A 10% variation in current and a 10% variation in luminous intensity are considered normal.)