

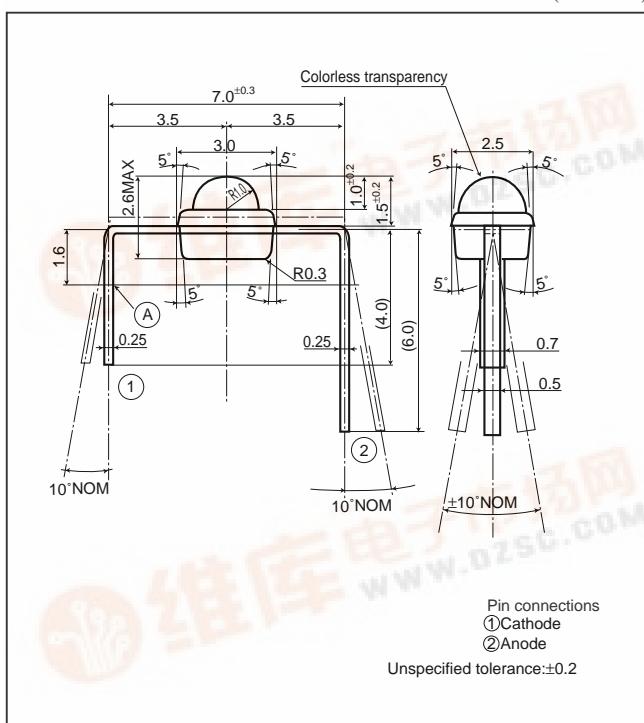
Mini-mold LED Lamp

GL1□□212 series

GL1□□212 series

■ Outline Dimensions

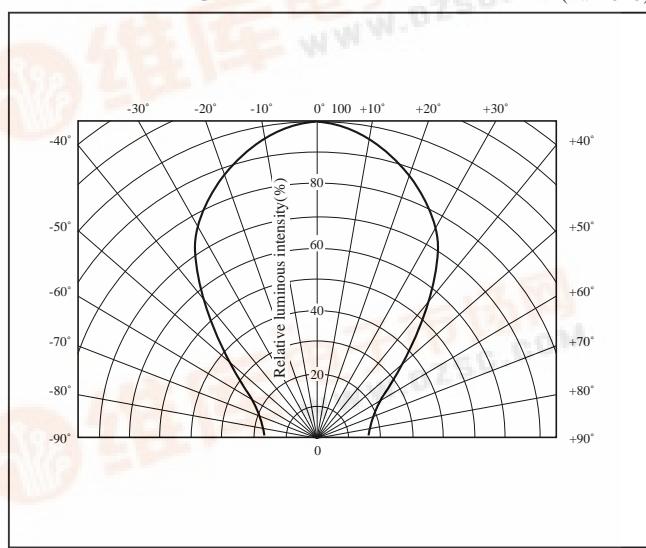
(Unit:mm)



ø2mm, Forming Type, Colorless Transparency, 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				
GL1PR212	Red	GaP	23	10	50	0.13	0.67	5	-25 to +85	-25 to +100	260
GL1HD212	Red	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL1HS212	Sunset orange	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL1HY212	Yellow	GaAsP on GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	260
GL1EG212	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 _V (mcd) TYP	Spectrum radiation bandwidth Δλ(nm) TYP	Reverse current		Terminal capacitance C(pF) TYP	Page for characteristics diagrams	
		TYP	MAX				I _F (mA)	I _R (μA) MAX	V _R (V)		
Colorless transparency	GL1PR212	1.9	2.3	695	5	2.6	5	100	5	55	1 →
	GL1HD212	2.0	2.8	635	20	14.4	20	35	20	20	1 →
	GL1HS212	2.0	2.8	610	20	14.0	20	35	20	15	1 →
	GL1HY212	1.9	2.5	585	10	4.5	10	30	10	35	1 →
	GL1EG212	1.95	2.5	565	10	9.1	10	30	10	35	1 →

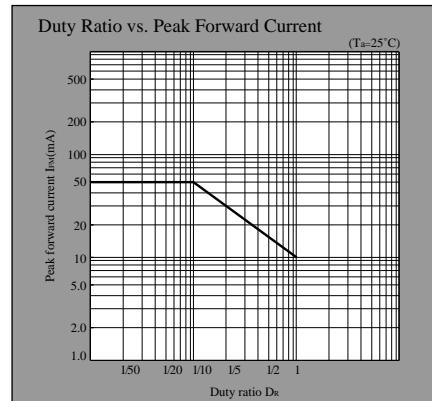
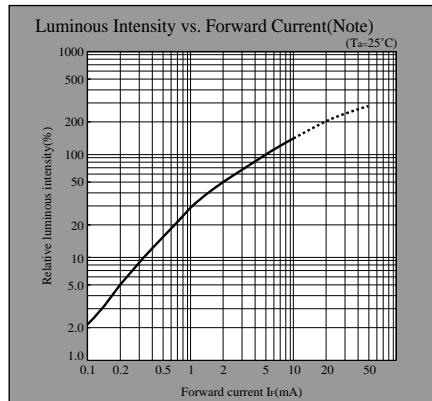
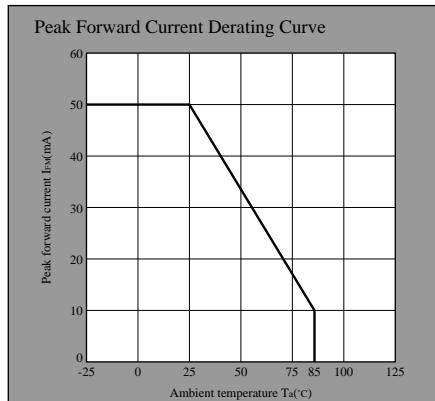
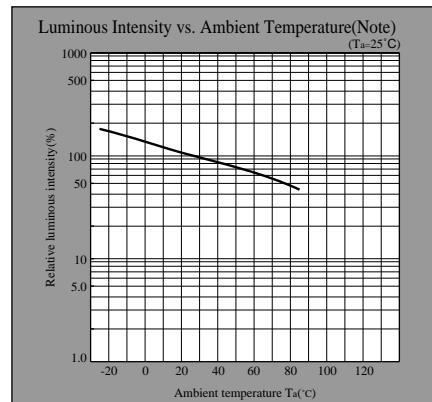
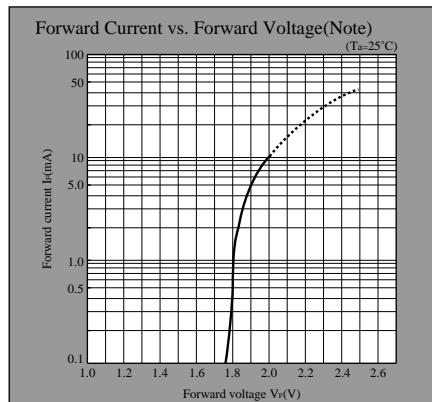
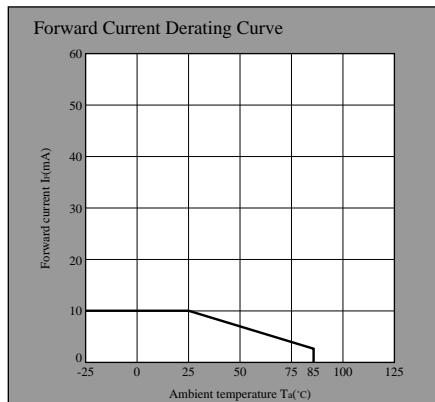
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(Notice) Data for the characteristics is measured in accordance with IEC60929 (IEC60929-1, IEC60929-2, IEC60929-3, IEC60929-4)

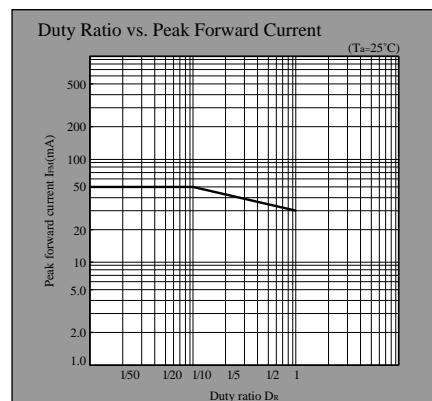
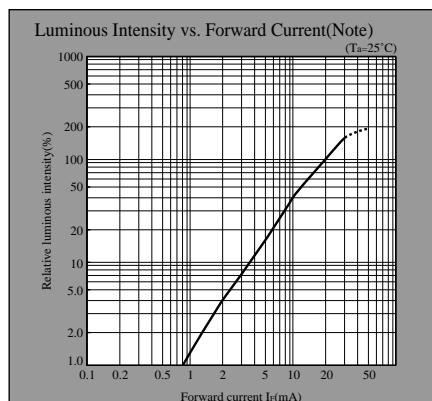
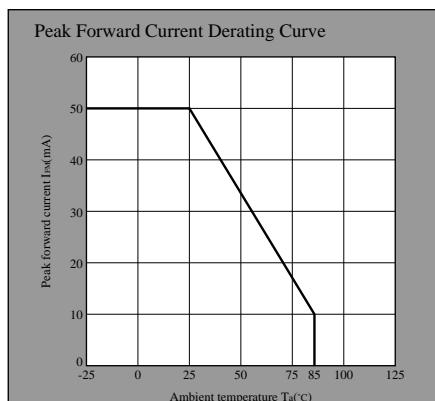
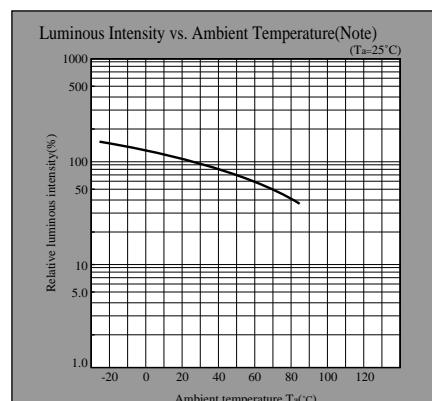
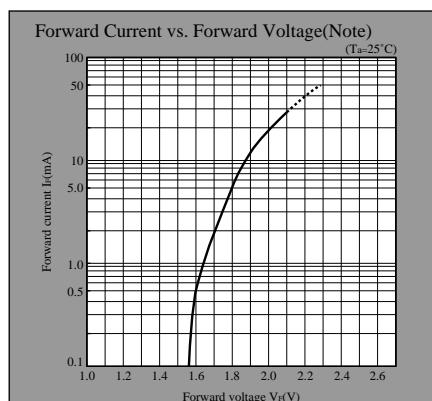
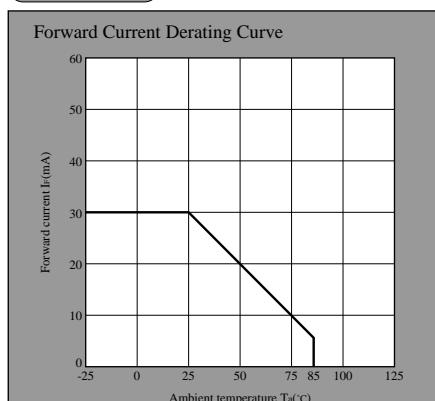


LED Lamp Characteristics Diagrams

PR series



HD series



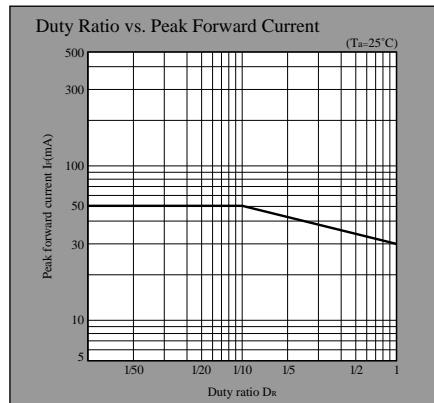
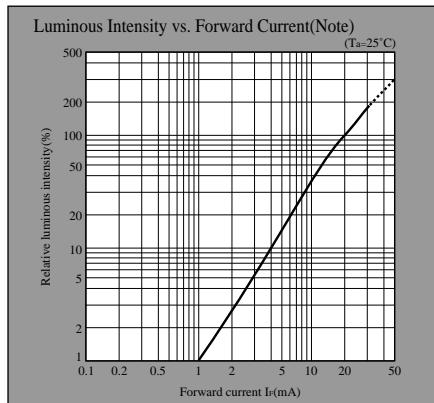
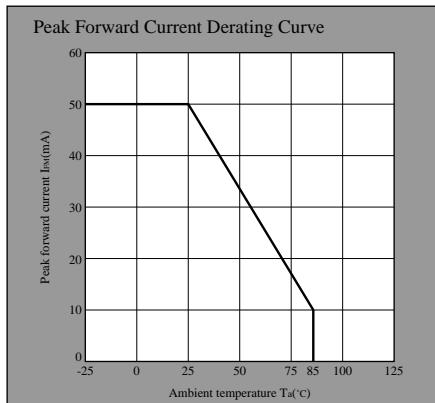
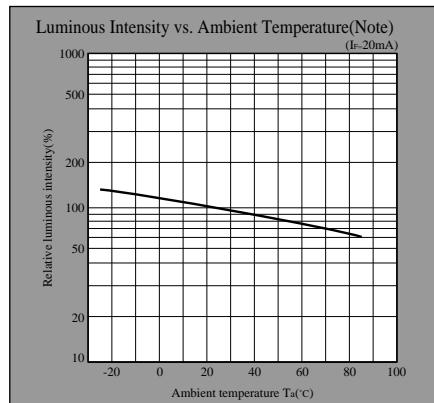
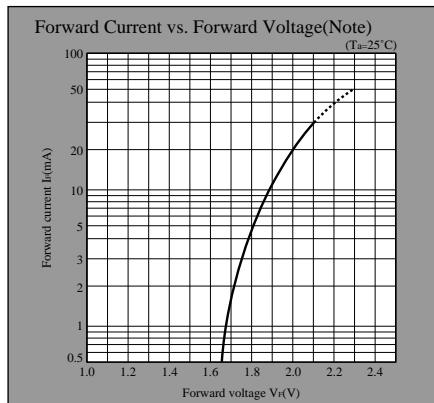
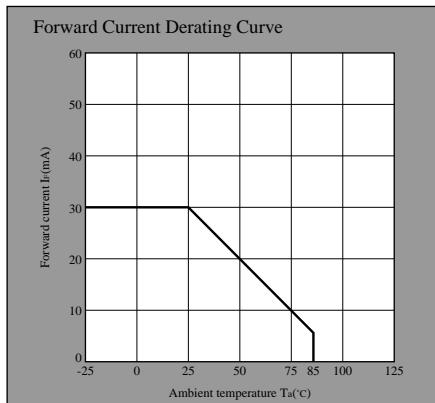
Note) Characteristics shown in diagrams are typical values. (not assurance value)

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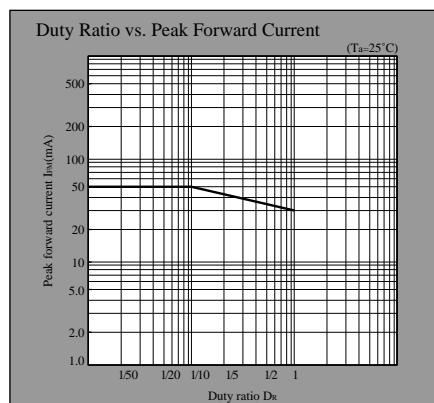
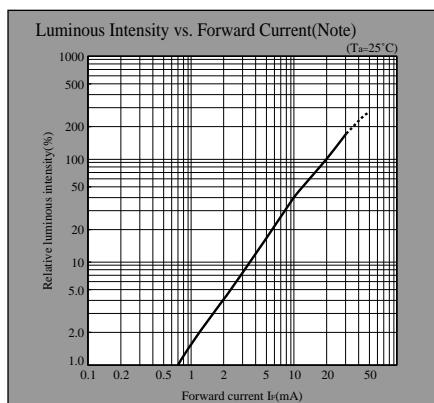
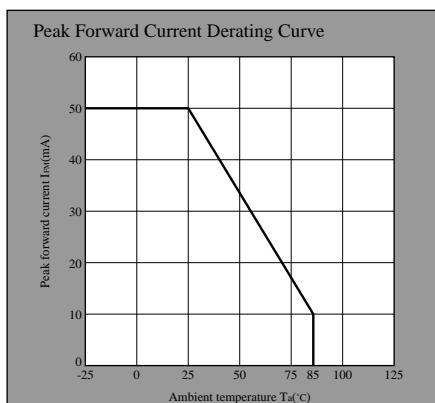
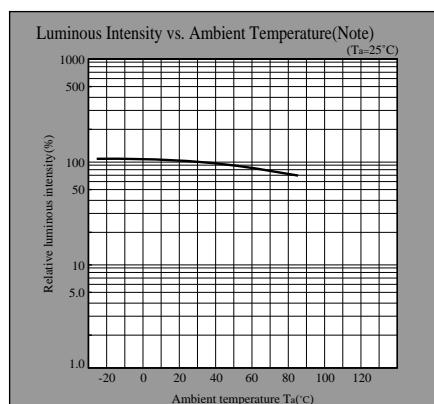
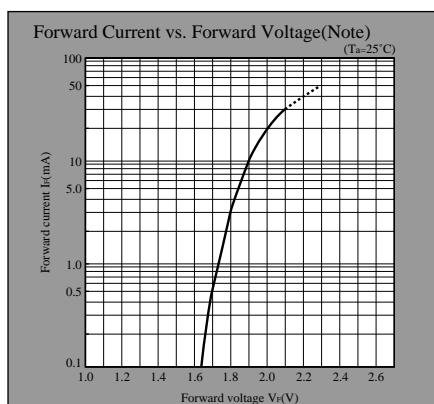
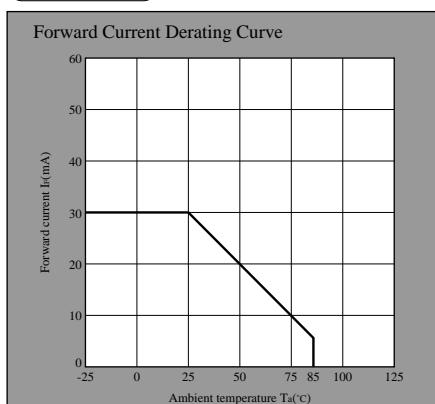
(Note) ● Data for the characteristics in these diagrams is measured at 100% duty ratio. (Ambient temperature 25°C, forward current 10mA, forward voltage 1.8V)

LED Lamp Characteristics Diagrams

HS series



HY series



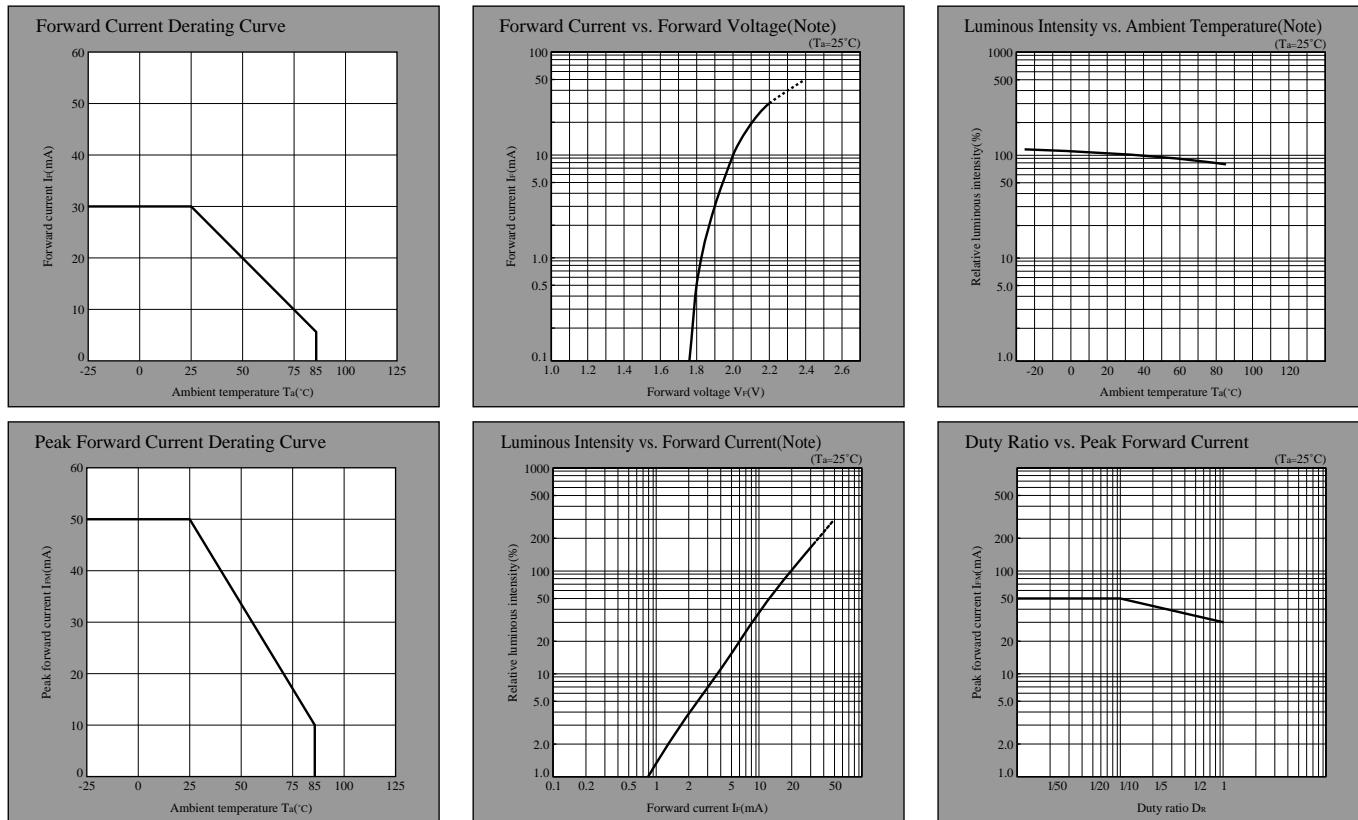
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(Notice) • Due to the characteristics of the device, it is recommended to use it at a maximum ambient temperature of 40°C. Use under the "over-temperature protection" function.

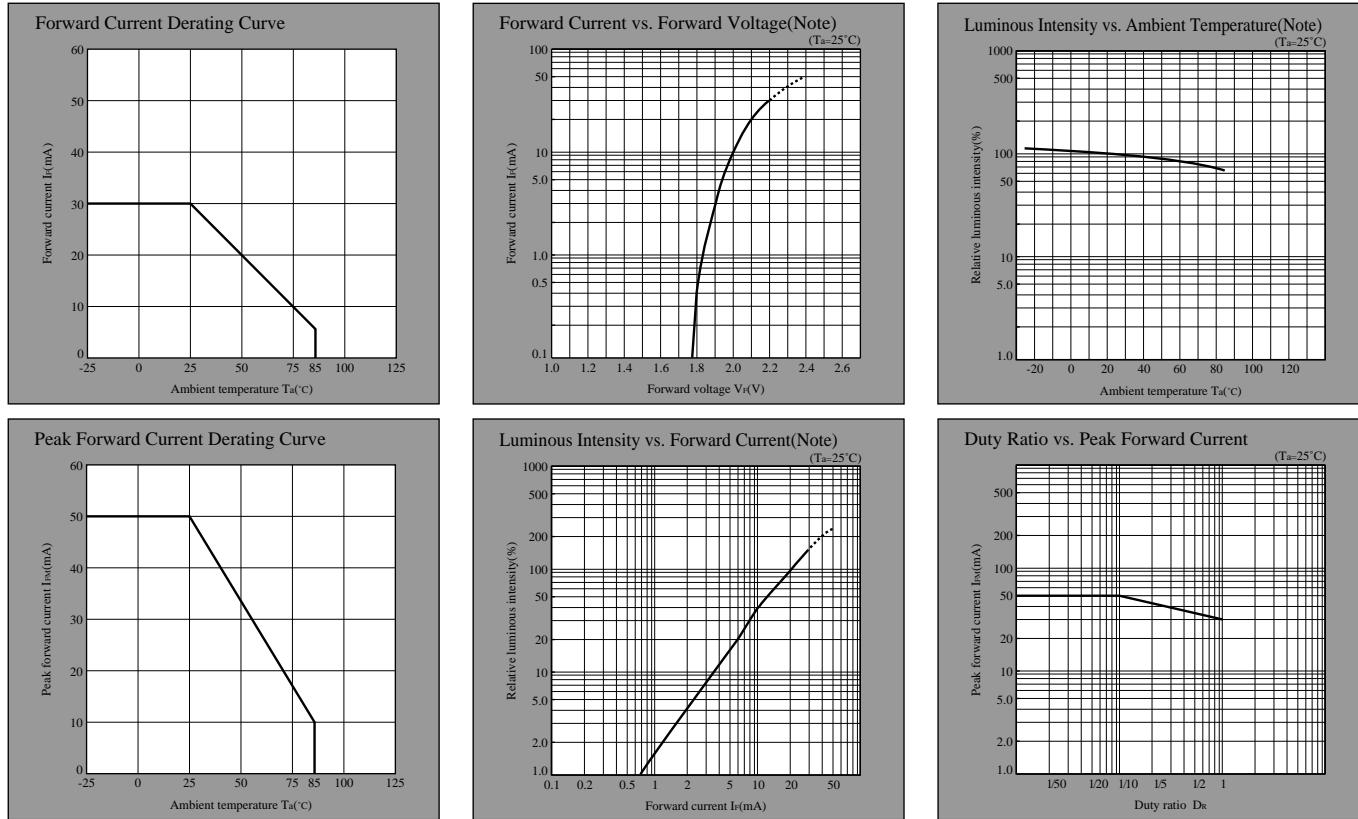
LED Lamp Characteristics Diagrams

EG series



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

KG series



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

(Notice)

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(Notice)

Do not use the device under any circumstances that may result in fire, explosion, or other damage.