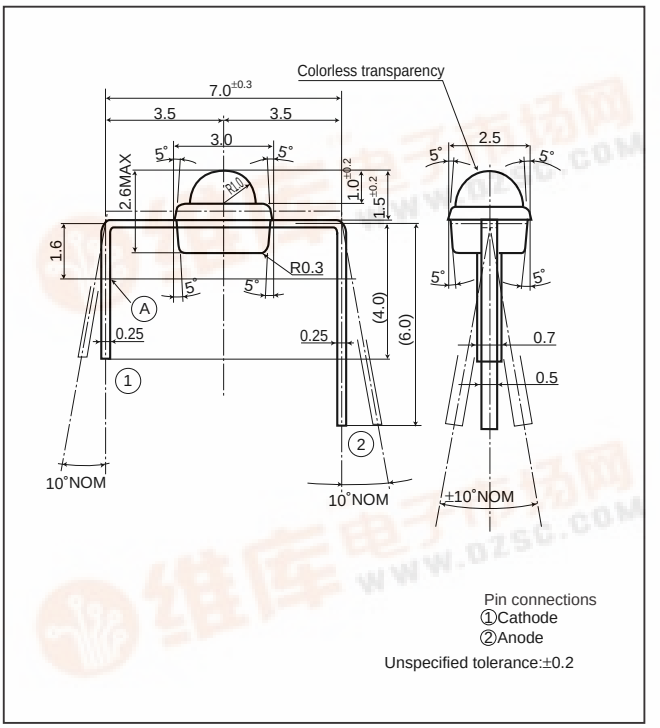
GL1❑❑212 series

ø2mm, Forming Type, Colorless Transparency, Compact LED Lamp for Backlight/Indicator

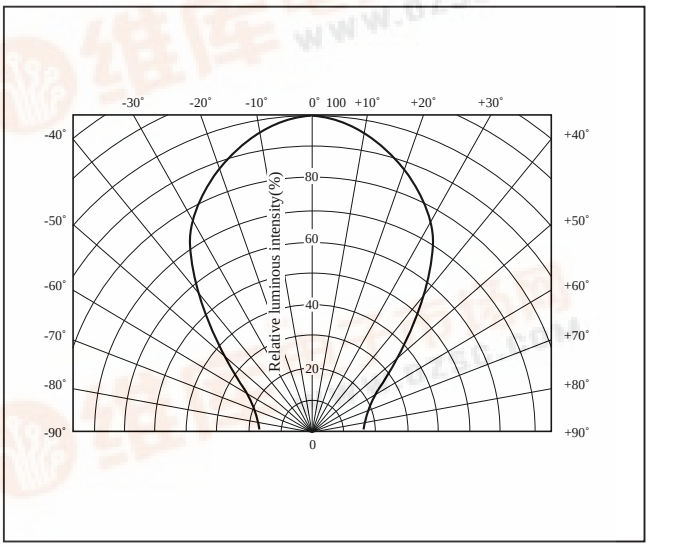
■ Outline Dimensions

(Unit:mm)



■ 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) DC	Derating factor (mA/˚C) Pulse	Reverse voltage VR (V)	Operating temperature Topr (˚C)	Storage temperature Tstg (˚C)	Soldering temperature Tsol*2 (˚C)
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

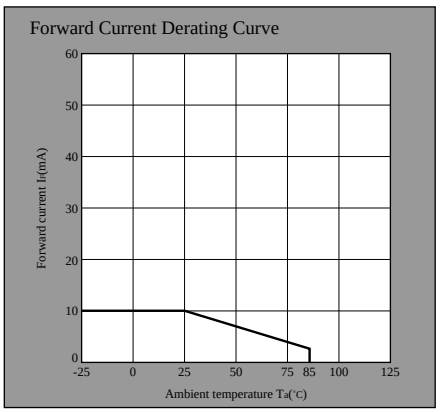
■ Electro-optical Characteristics

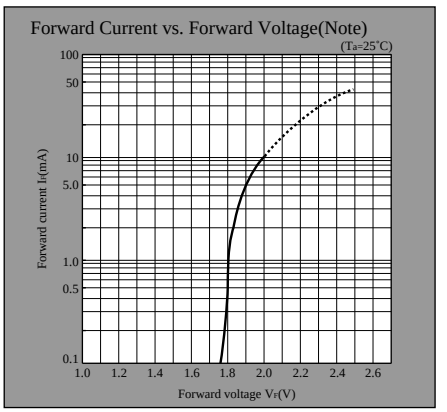
(Ta=25˚C)

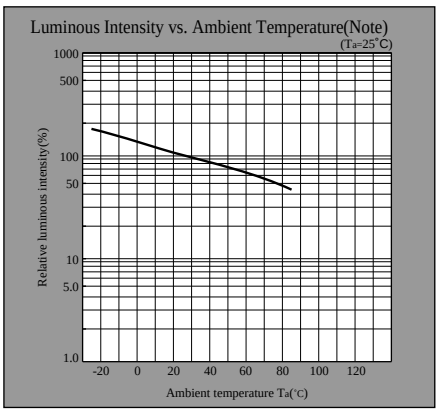
Lens type	Model No.	Forward voltage VF(V) TYP	Forward voltage VF(V) MAX	Peak emission wavelength λp(nm) TYP	Peak emission wavelength IF (mA)	Luminous intensity Iv(mcd) TYP	Luminous intensity IF (mA)	Spectrum radiation bandwidth Δλ(nm) TYP	Spectrum radiation bandwidth IF (mA)	Reverse current IR(μA) MAX	Reverse current VR (V)	Terminal capacitance Ct(pF) TYP	Terminal capacitance (MHz)	Page for characteristics diagrams
Colorless transparency	GL1PR212	1.9	2.3	695	5	2.6	5	100	5	10	4	55	1	→
	GL1HD212	2.0	2.8	635	20	14.4	20	35	20	10	4	20	1	→
	GL1HS212	2.0	2.8	610	20	14.0	20	35	20	10	4	15	1	→
	GL1HY212	1.9	2.5	585	10	4.5	10	30	10	10	4	35	1	→
	GL1EG212	1.95	2.5	565	10	9.1	10	30	10	10	4	35	1	→

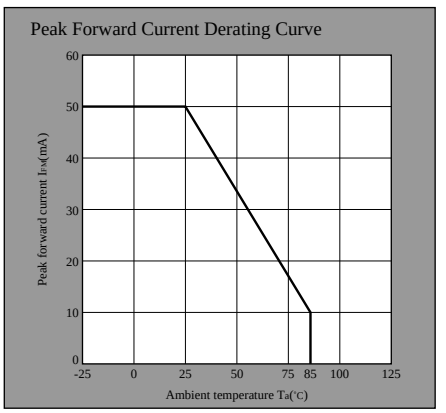
LED Lamp Characteristics Diagrams

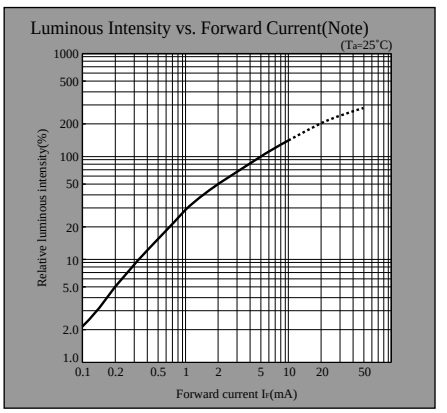
PR series

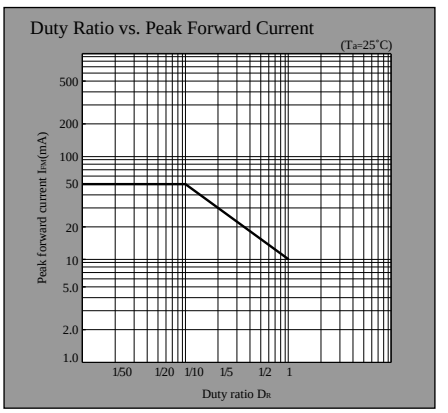




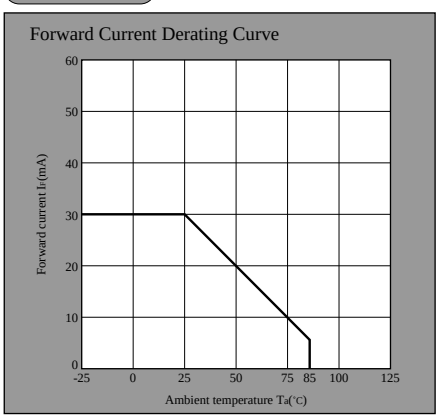


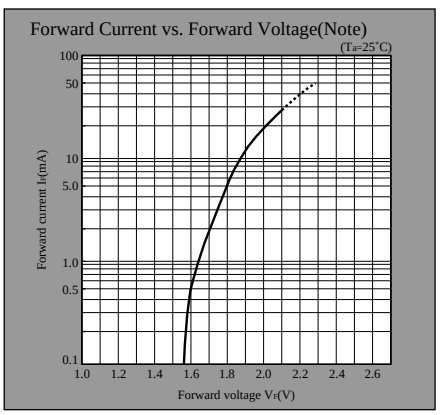


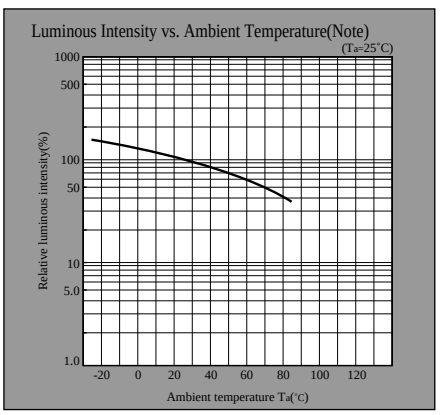


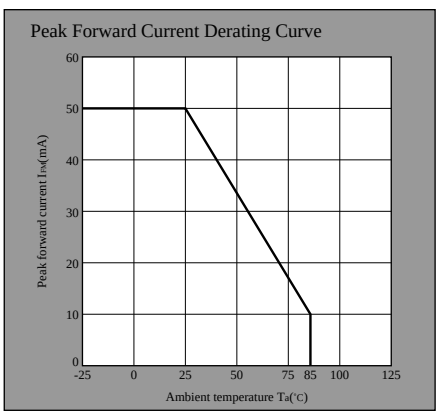


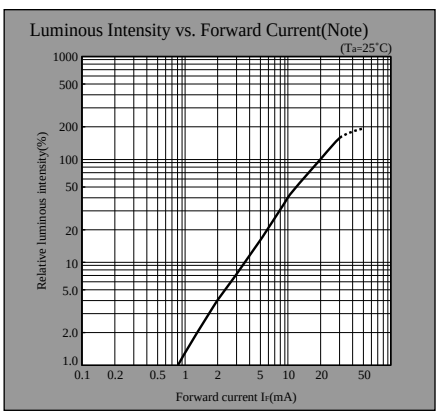
HD series

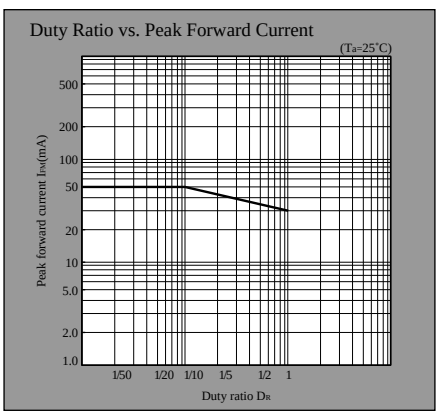










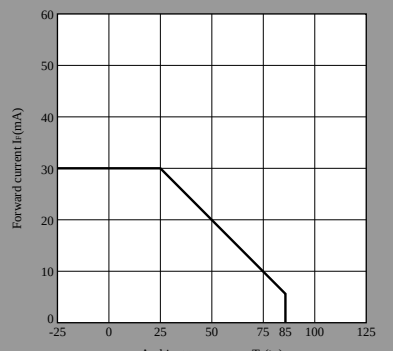


Note)Characteristics shown in diagrams are typical values. (not assurance value)

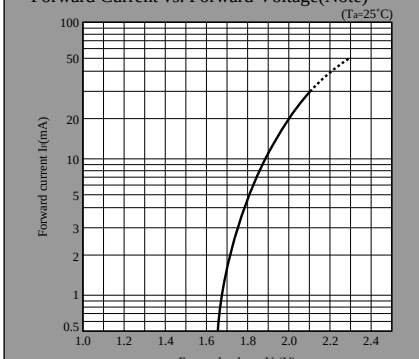
LED Lamp Characteristics Diagrams

HS series

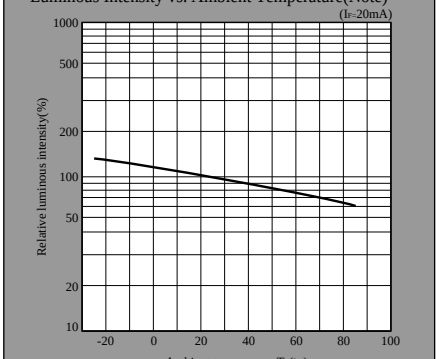
Forward Current Derating Curve



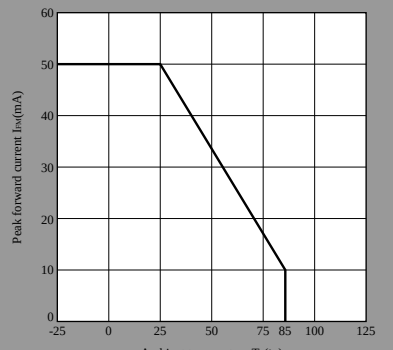
Forward Current vs. Forward Voltage(Note)



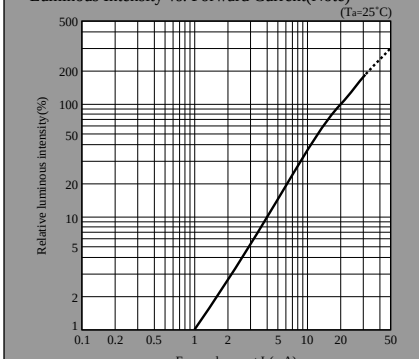
Luminous Intensity vs. Ambient Temperature(Note)



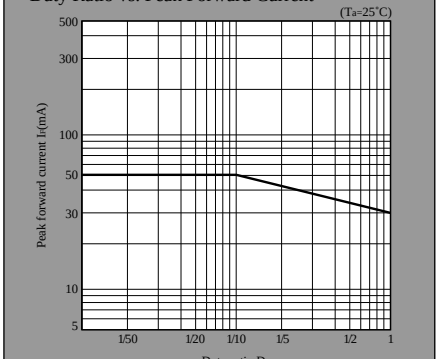
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)

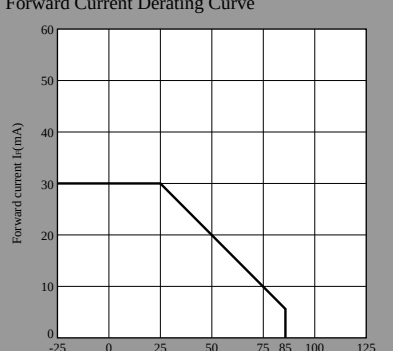


Duty Ratio vs. Peak Forward Current

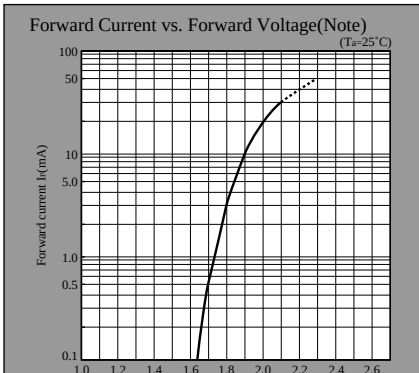


HY series

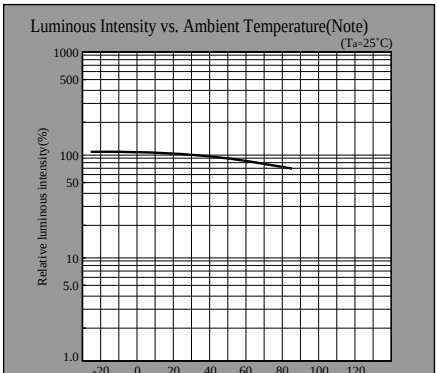
Forward Current Derating Curve



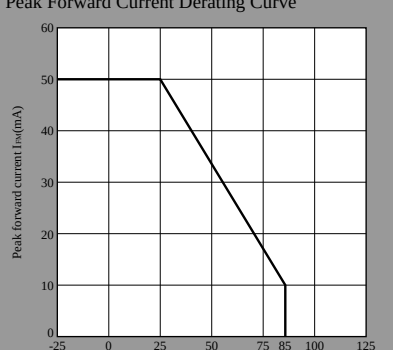
Forward Current vs. Forward Voltage(Note)



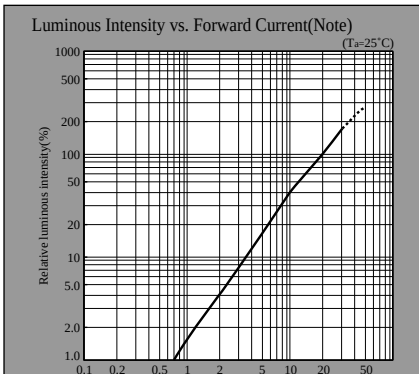
Luminous Intensity vs. Ambient Temperature(Note)



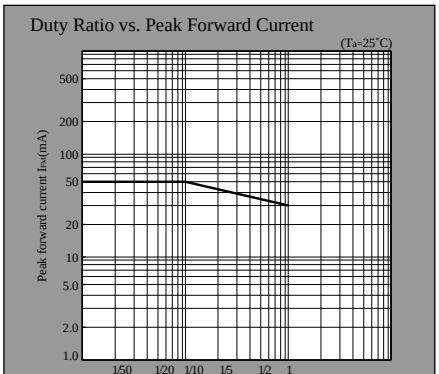
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)



Duty Ratio vs. Peak Forward Current



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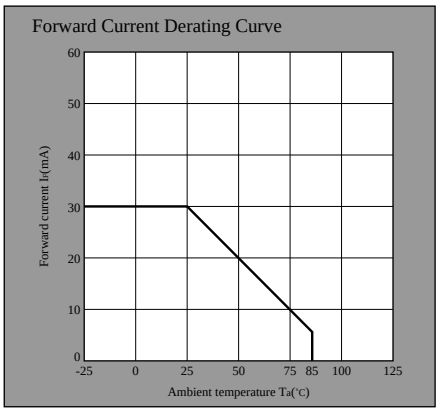
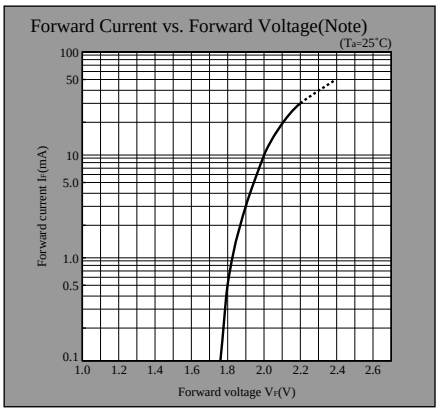
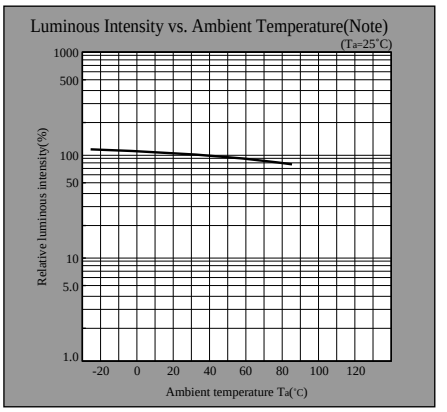
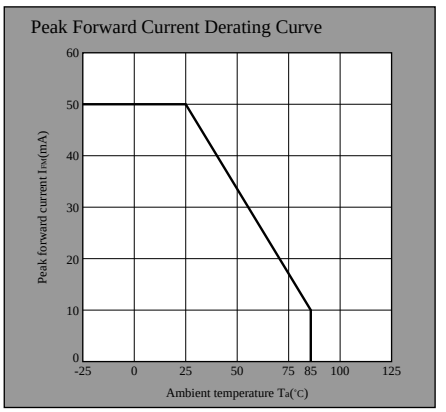
LED Lamp Characteristics Diagrams

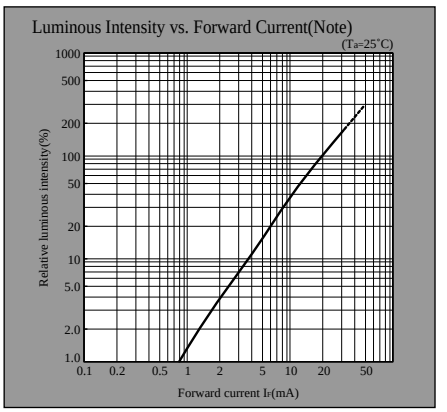
EG series

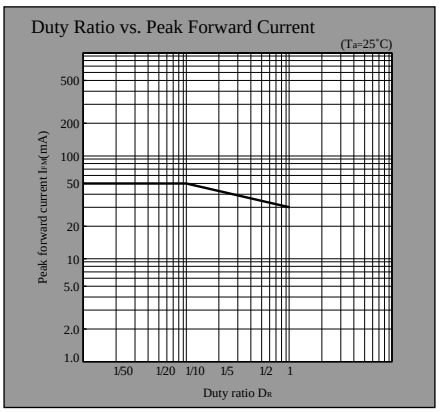












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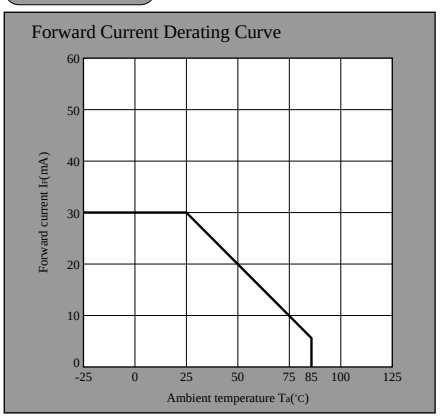
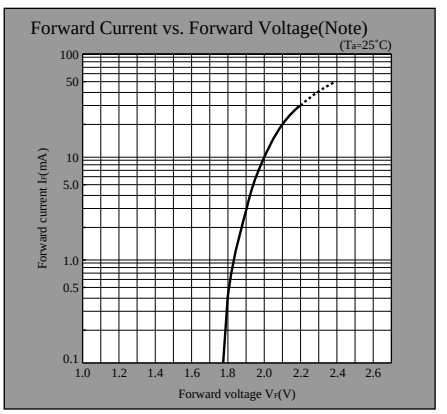
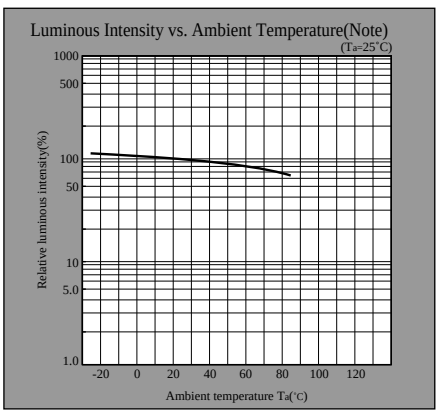
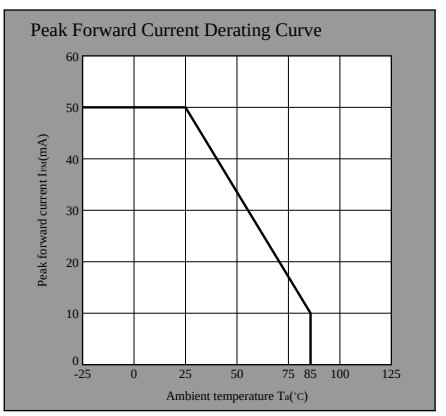
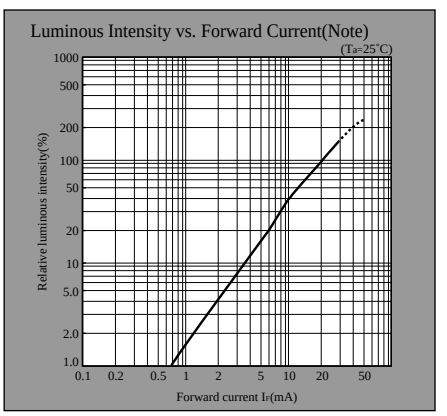
KG series

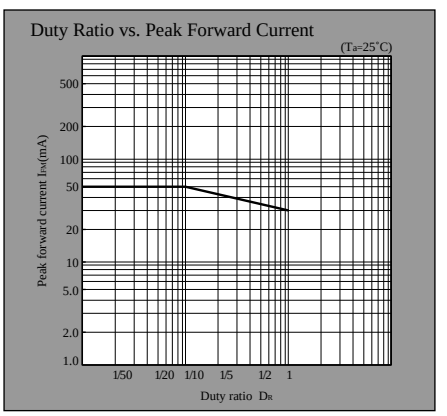












Note)Characteristics shown in diagrams are typical values. (not assurance value)