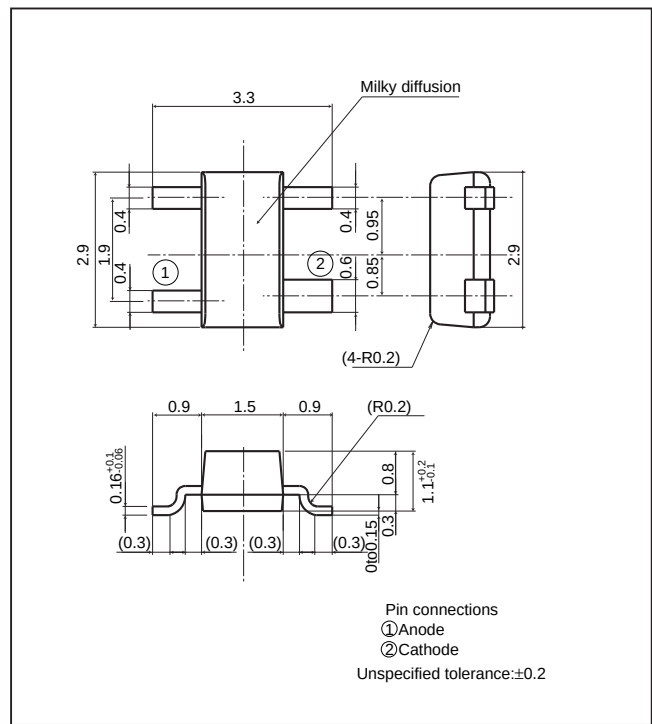
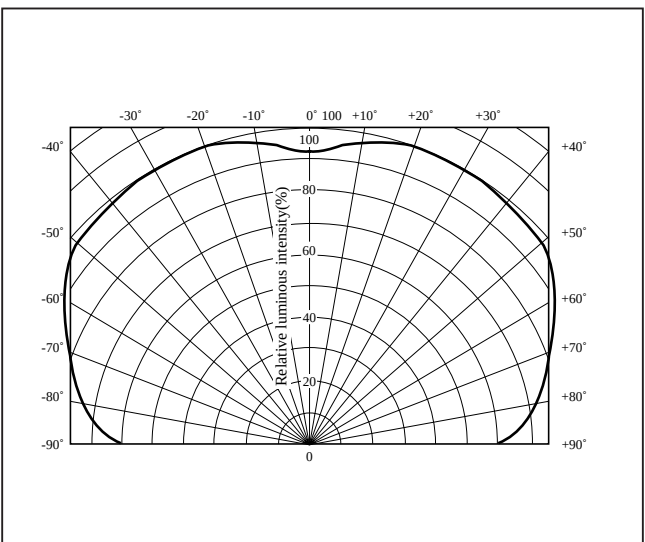


3.3X2.9mm, 1.1mm Thickness, Milky Diffusion Chip LED Devices

(Unit : mm)



($T_a=25^\circ\text{C}$)

 $(T_a=25^\circ\text{C})$

Model No.	Radiation color	Radiation material	Power dissipation P (mW)	Forward current I _F (mA)	Peak forward current I _{FM} ^{*1} (mA)	Derating factor (mA/°C)		Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{sig} (°C)	Soldering temperature T _{sol} ^{*2} (°C)
						DC	Pulse				
LT1P53A	Red	GaP	23	10	50	0.13	0.67	5	-25 to +85	-25 to +100	350
LT1D53A	Red	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	350
LT1S53A	Sunset orange	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	350
LT1H53A	Yellow	GaAsP on GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	350
LT1E53A	Yellow-green	GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	350
LT1K53A	Green	GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	350

*2 For 3s or less at the temperature of hand soldering. Temperature of reflow soldering is shown on the below page.

 $(T_a=25^\circ\text{C})$

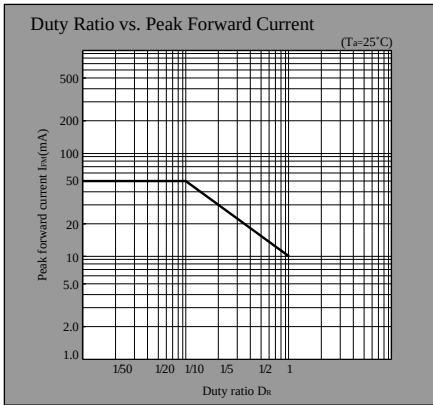
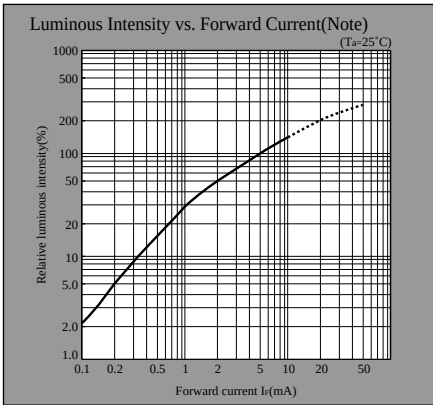
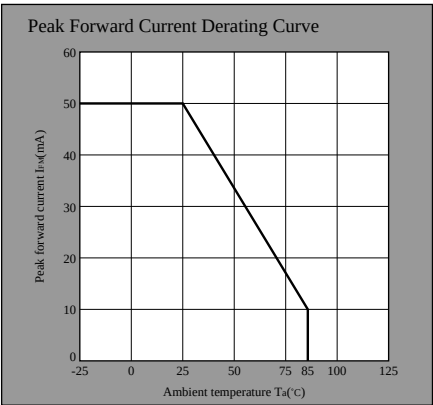
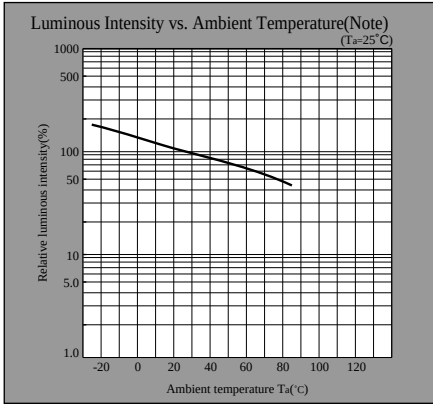
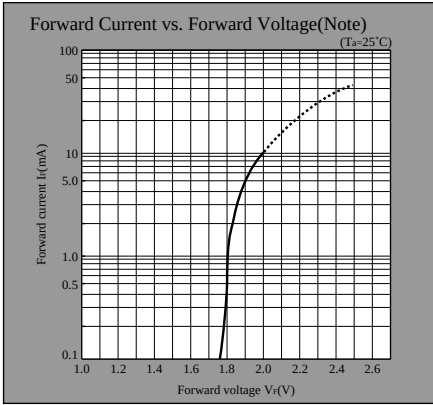
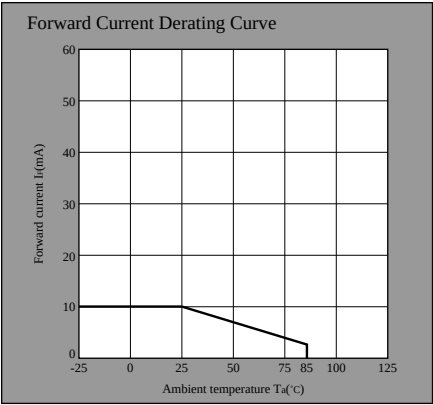
Lens type	Model No.	Forward voltage		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
		V _F (V)		λ _p (nm)	I _F (mA)	I _v (mcd)	I _F (mA)	Δλ(nm)	I _F (mA)	I _R (μA)	V _R (V)	C _a (pF)	(MHz)	
		TYP	MAX											
Milky diffusion	LT1P53A	1.9	2.3	695	5	1.4	5	100	5	10	4	55	1	→
	LT1D53A	2.0	2.8	635	20	9.6	20	35	20	10	4	20	1	→
	LT1S53A	2.0	2.8	610	20	7.8	20	35	20	10	4	15	1	→
	LT1H53A	1.9	2.5	585	10	3.7	10	30	10	10	4	35	1	→
	LT1E53A	1.85	2.5	565	10	4.8	10	30	10	10	4	35	1	→
	LT1K53A	1.95	2.5	555	10	2.2	10	25	10	10	4	40	1	→

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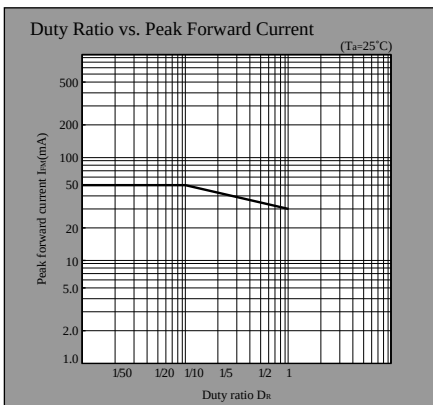
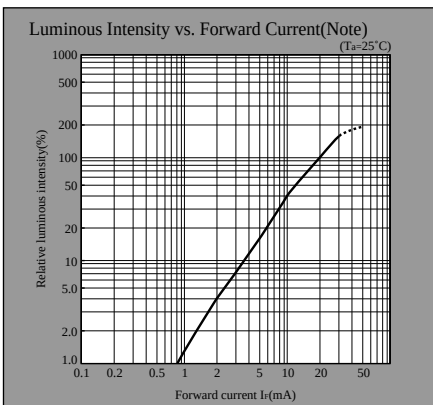
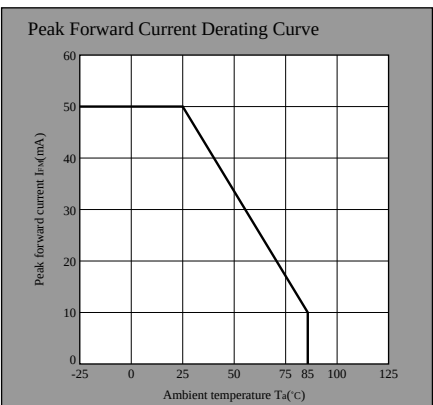
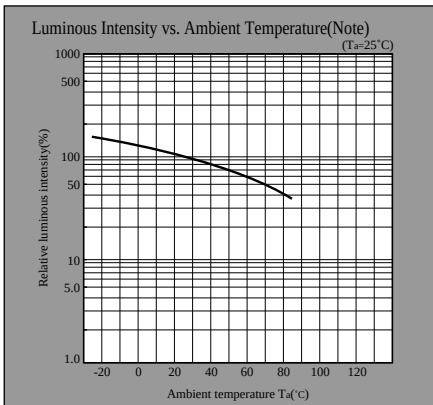
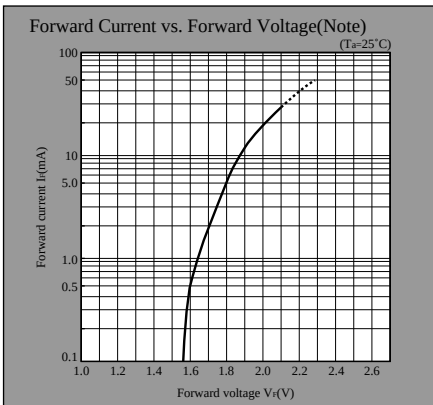
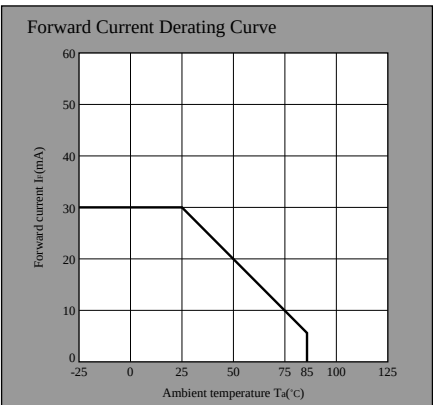
(Internet) ● Data for sharp's optoelectronic/power device is provided for internet.(Address <http://www.sharp.co.jp/ecg/>)

LED Lamp Characteristics Diagrams

PR series



HD series

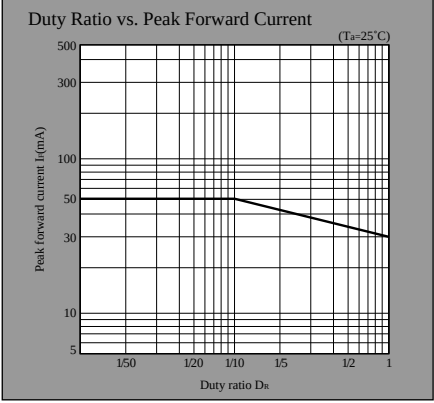
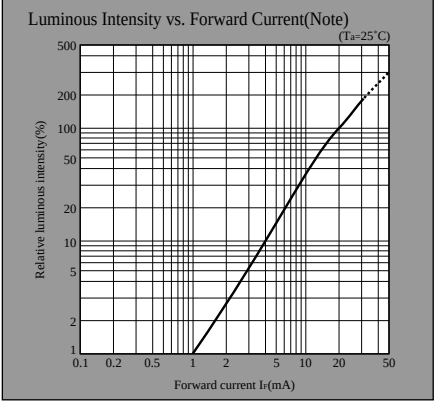
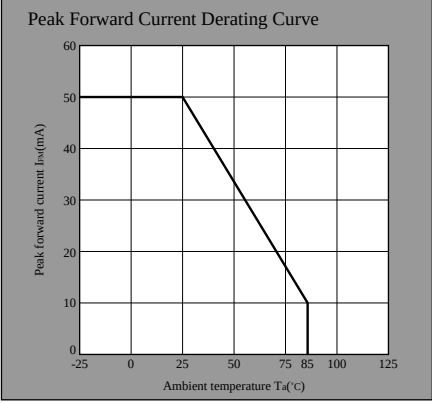
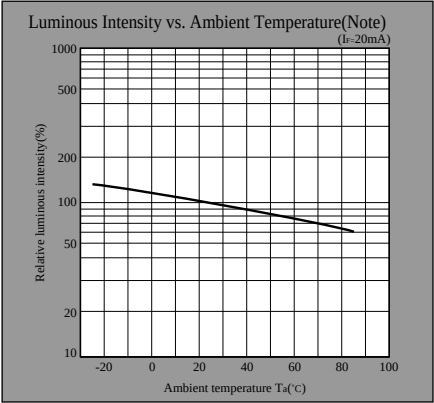
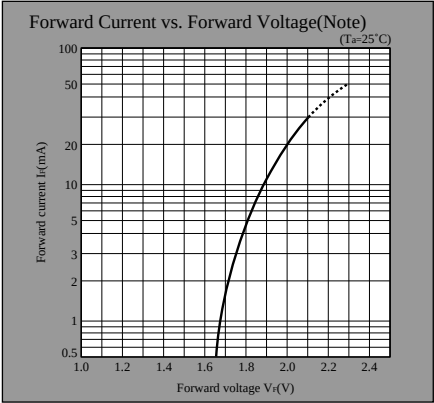
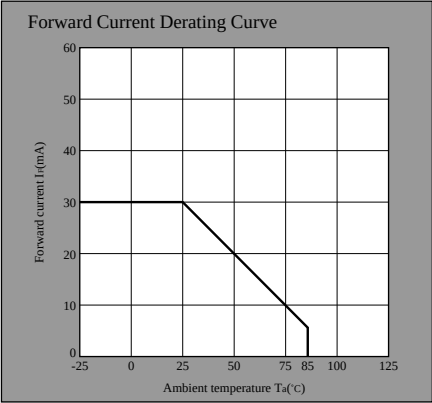


Note) Characteristics shown in diagrams are typical values. (not assurance value)

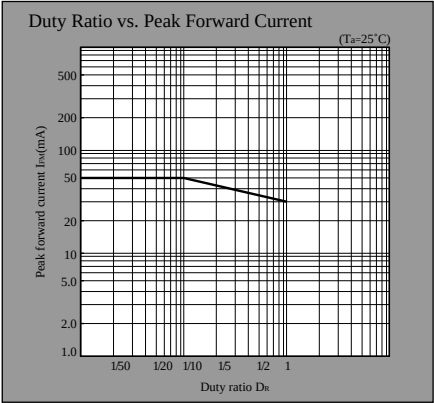
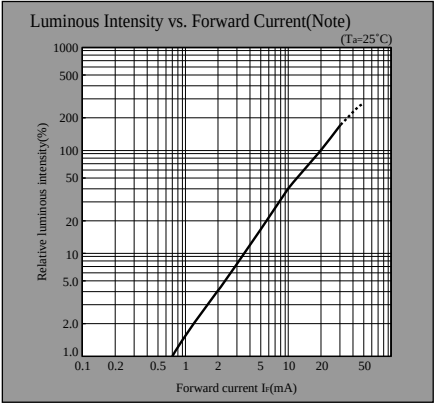
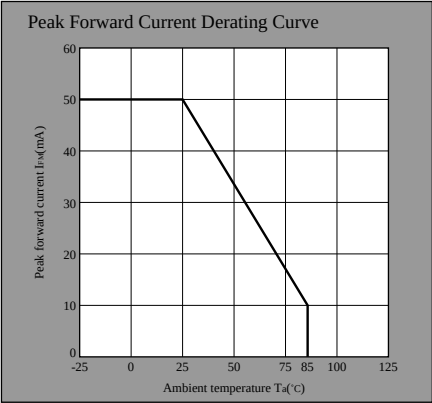
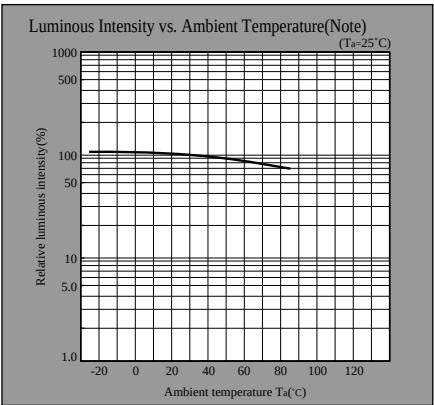
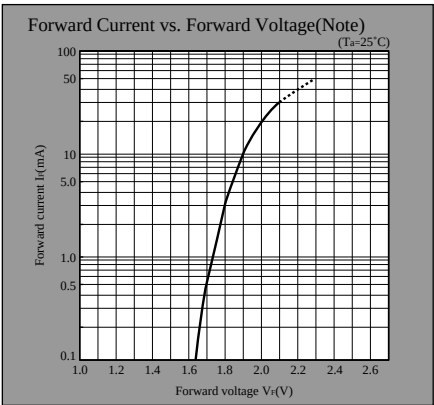
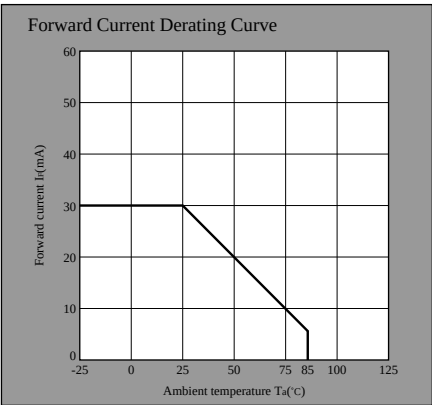
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LED Lamp Characteristics Diagrams

HS series



HY series

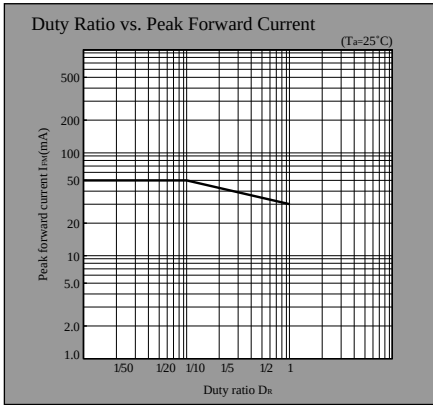
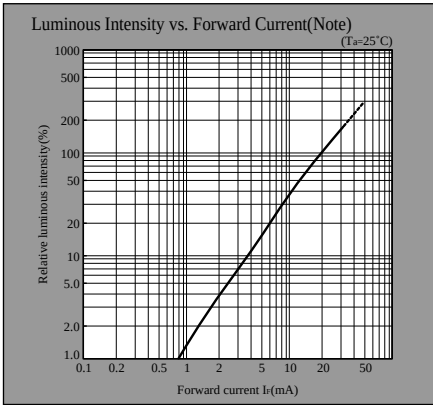
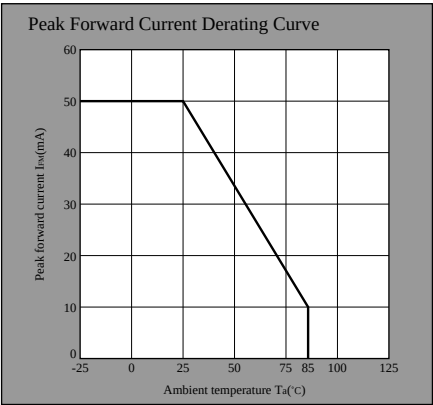
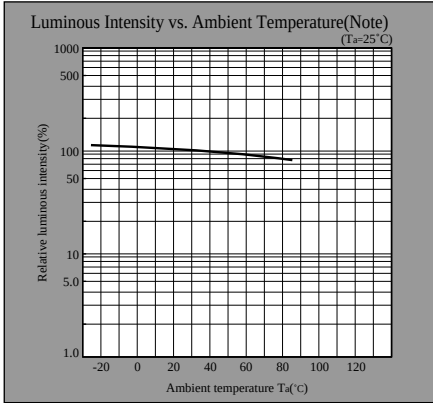
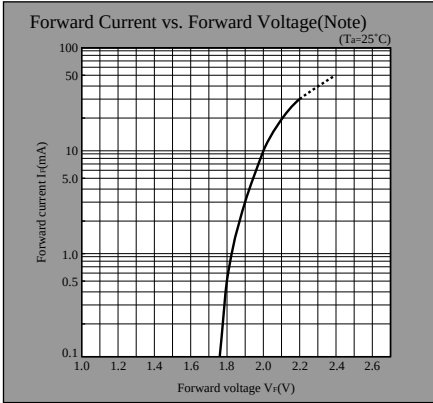
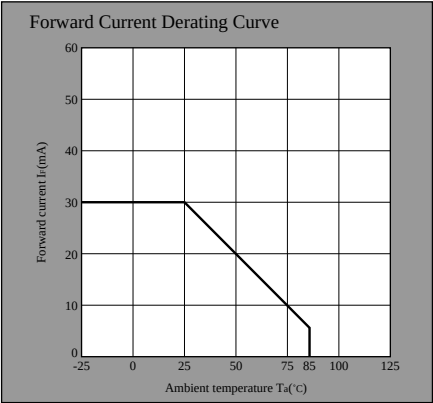


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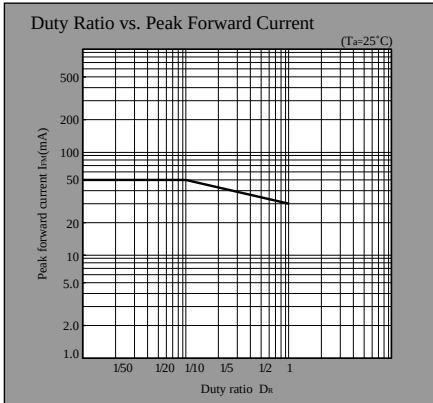
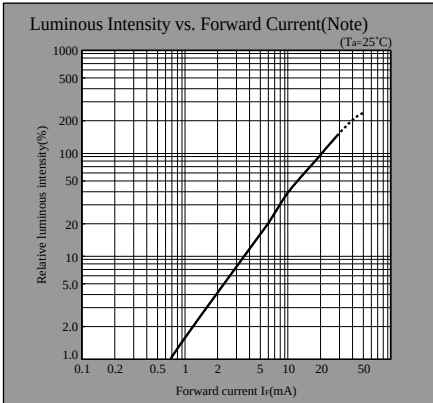
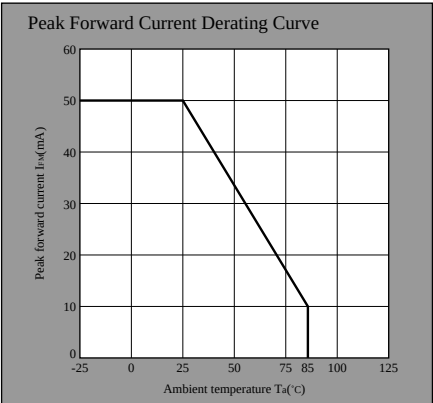
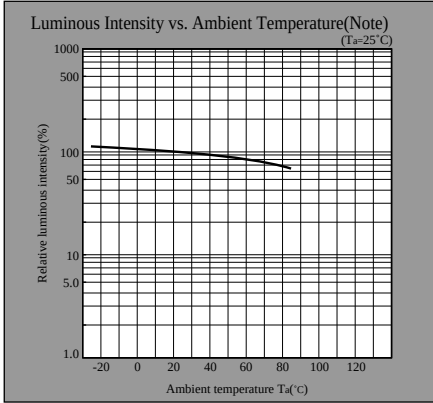
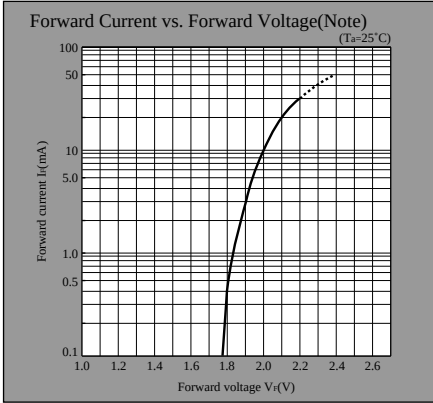
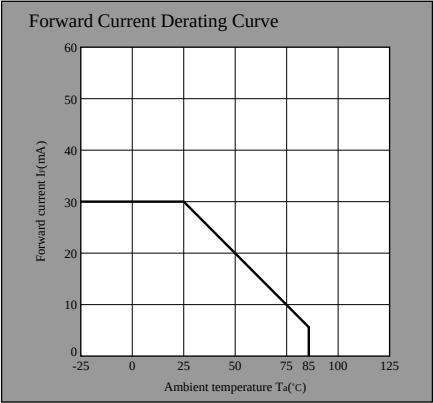
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LED Lamp Characteristics Diagrams

EG series



KG series



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