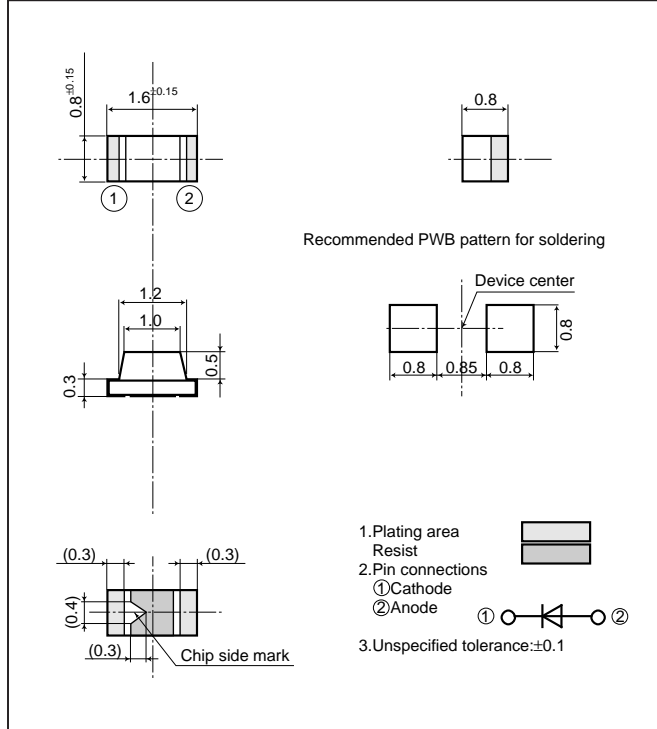


LT1□67A series

1608 Size, 0.8mm Thickness, Leadless Chip LED Devices

Outline Dimensions

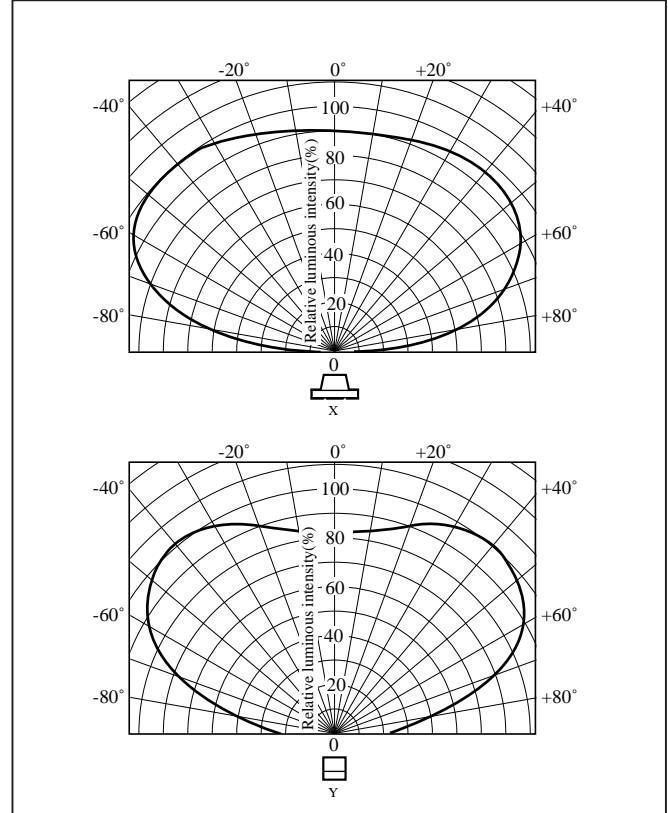
(Unit : mm)



U type: There is Anode mark on the device because polarity faces in the opposite direction.

Radiation Diagram

(Ta=25°C)



Absolute Maximum Ratings

(Ta=25°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 _{stg} (°C)	Soldering temperature T _{sol} *2 (°C)
						DC	Pulse				
LT1U67A	Red(Super-luminosity)	GaAlAs on GaAlAs	75	30	50	0.40	0.67	4	-30 to +85	-40 to +100	350
LT1P67A	Red	GaP	23	10	50	0.13	0.67	5	-30 to +85	-40 to +100	350
LT1D67A	Red	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1S67A	Sunset orange	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1H67A	Yellow	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1E67A	Yellow-green	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1F67A	Yellow-green(High-luminosity)	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1K67A	Green	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350

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

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

Electro-optical Characteristics

(Ta=25°C)

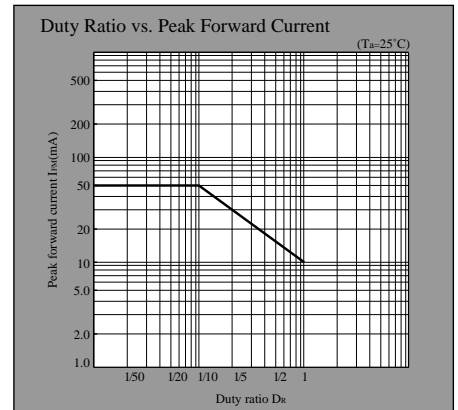
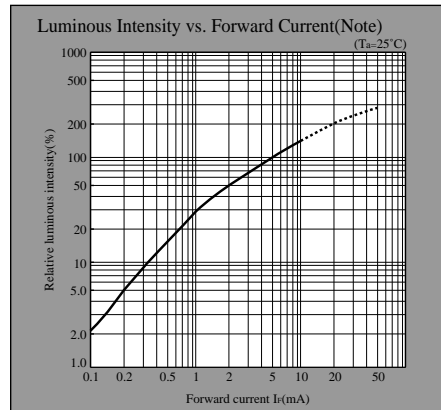
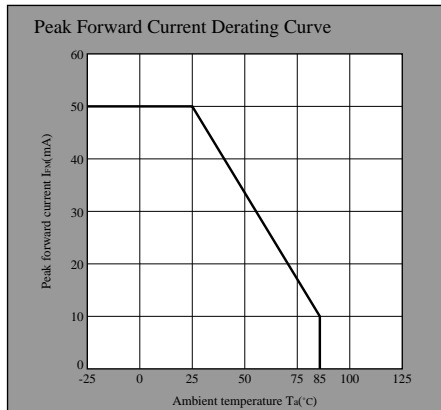
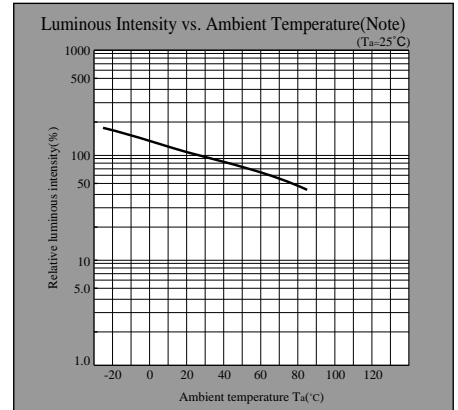
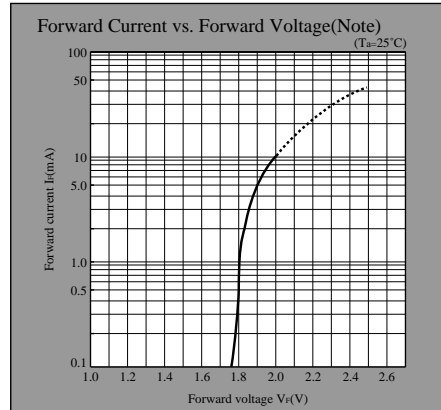
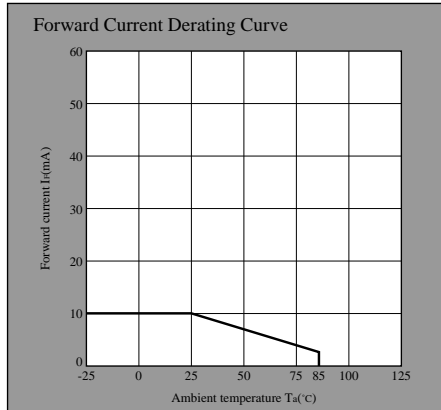
Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength λ _p (nm)		Luminous intensity I _v (mcd)		Spectrum radiation bandwidth Δλ(nm)		Reverse current I _R (μA)		Terminal capacitance C _t (pF)		Page for characteristics diagrams
		TYP	MAX	TYP	I _F (mA)	TYP	I _F (mA)	TYP	I _F (mA)	MAX	V _R (V)	TYP	(MHz)	
Milky diffusion	LT1U67A	1.85	2.5	660	20	29.7	20	20	20	100	3	25	1	→
	LT1P67A	1.9	2.3	695	5	1.3	5	100	5	10	4	55	1	→
	LT1D67A	2.0	2.8	635	20	8.8	20	35	20	10	4	20	1	→
	LT1S67A	2.0	2.8	610	20	6.9	20	35	20	10	4	15	1	→
	LT1H67A	2.0	2.8	585	20	8.3	20	30	20	10	4	35	1	→
	LT1E67A	2.1	2.8	565	20	11.0	20	30	20	10	4	35	1	→
	LT1F67A	2.1	2.8	570	20	19.0	20	30	20	10	4	35	1	→
LT1K67A	2.1	2.8	555	20	3.8	20	25	20	10	4	40	1	→	

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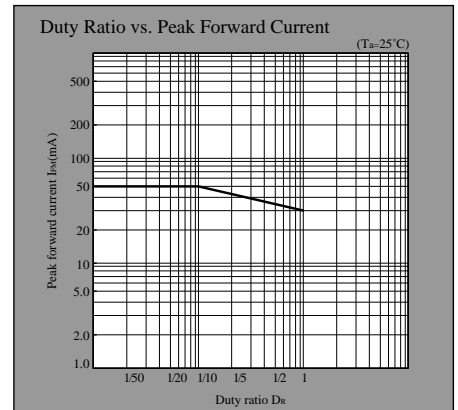
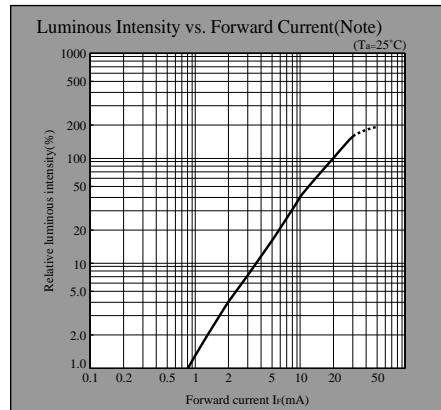
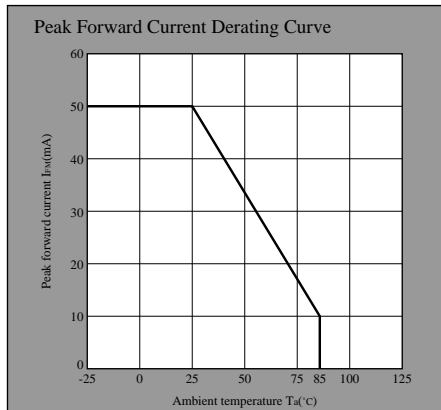
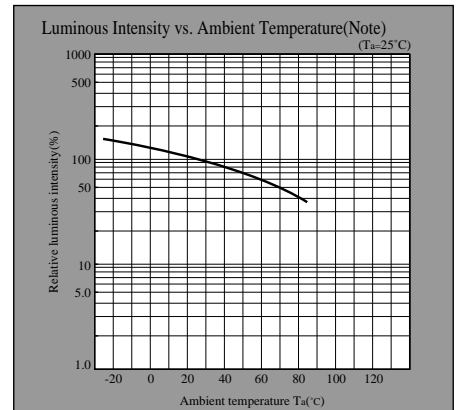
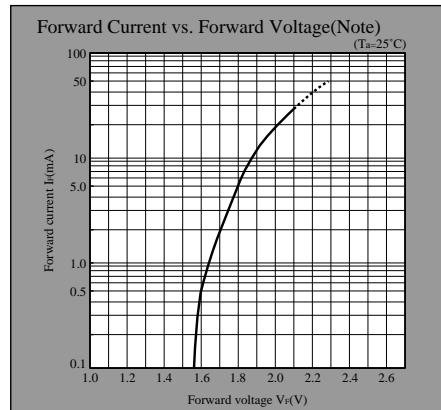
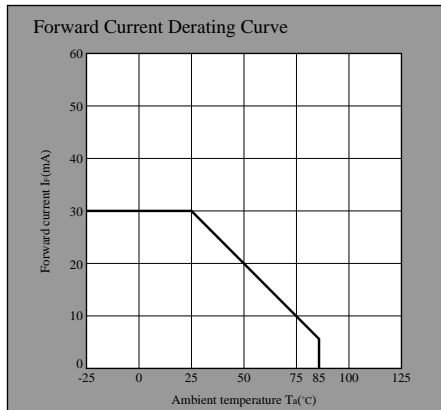
(Internet) ● Data for sharp's optoelectronic/power device is provided for internet.(Address <http://www.sharp.co.jp/ecg/>)

LED Lamp Characteristics Diagrams

PR series



HD series

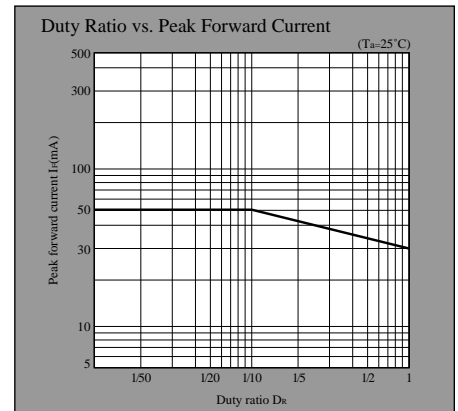
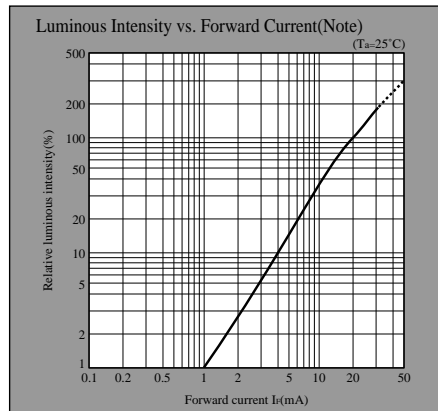
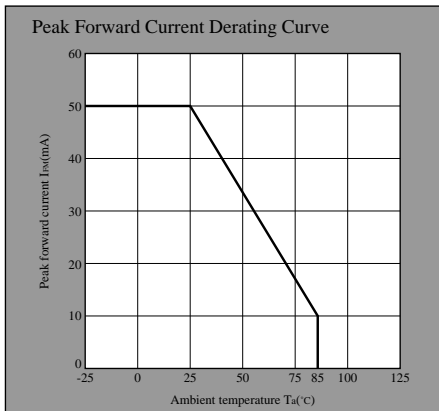
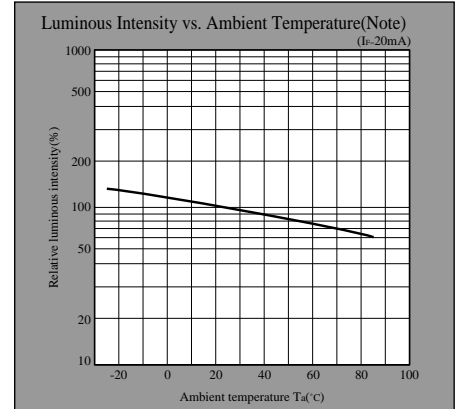
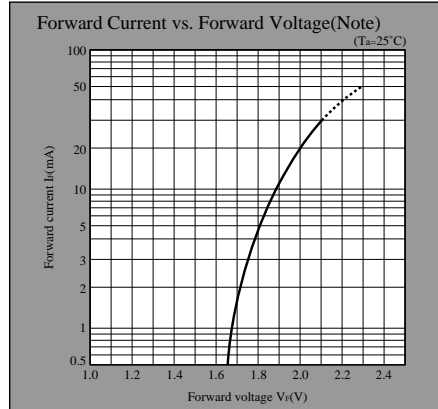
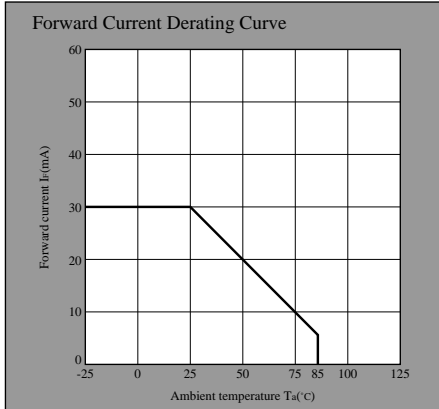


Note) Characteristics shown in diagrams are typical values. (not assurance value)

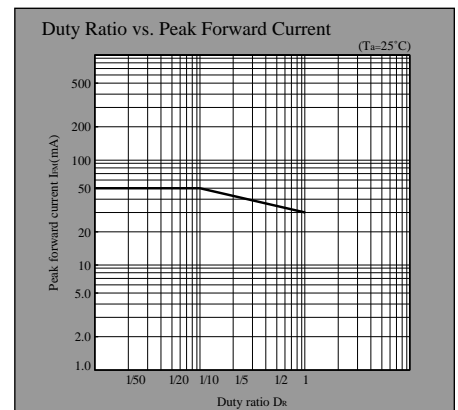
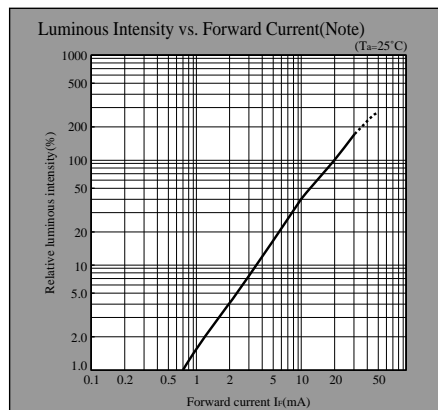
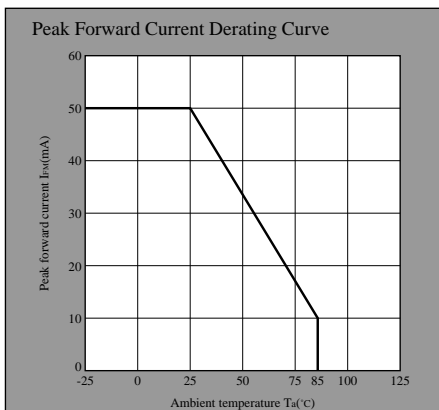
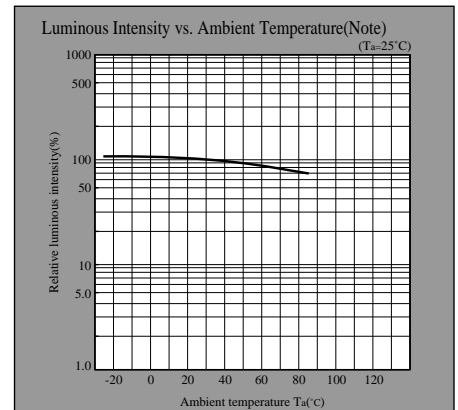
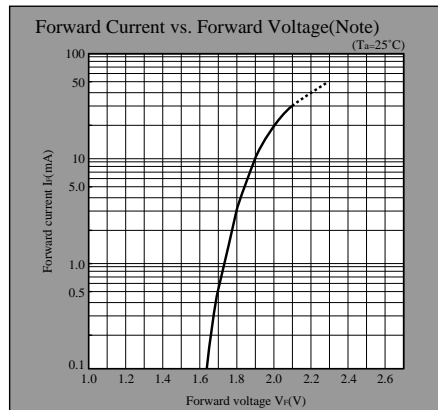
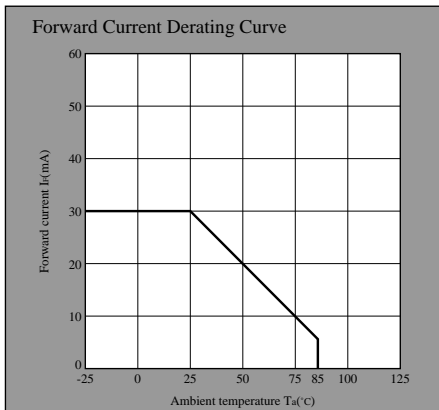
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LED Lamp Characteristics Diagrams

HS series



HY series

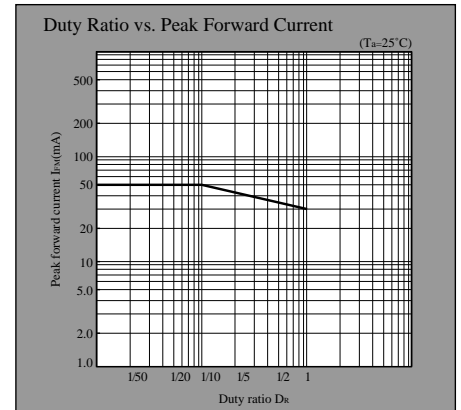
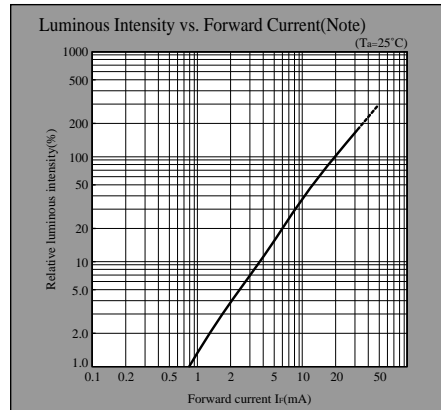
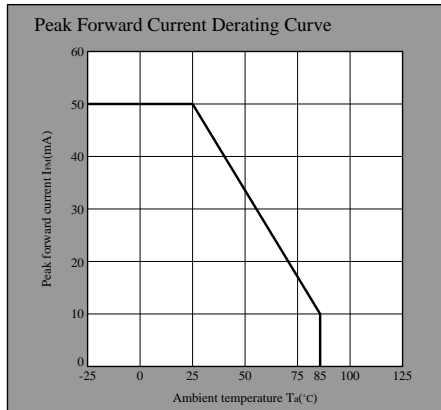
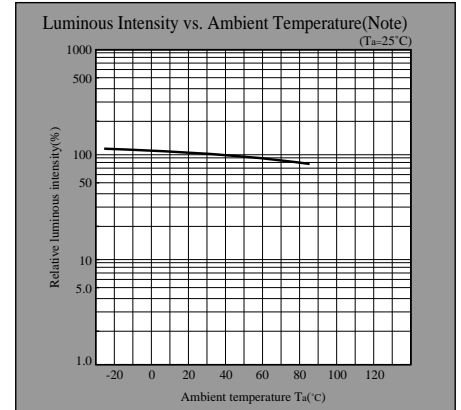
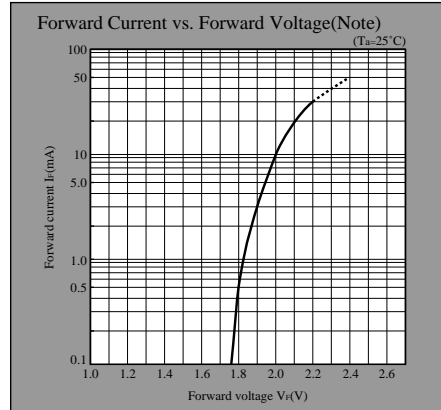
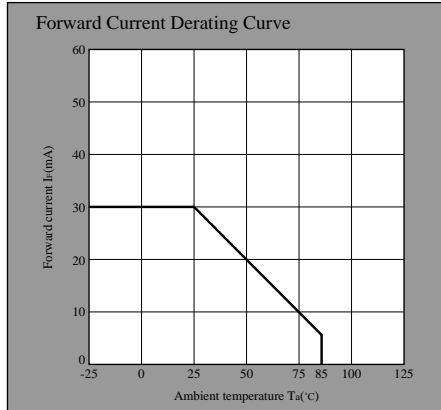


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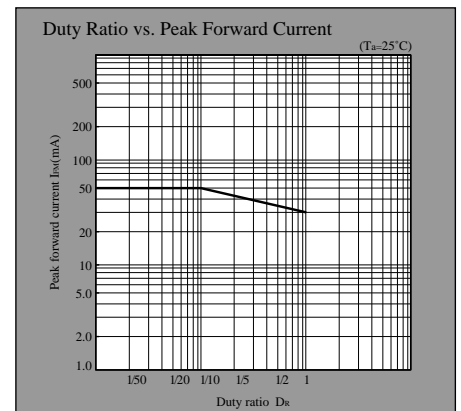
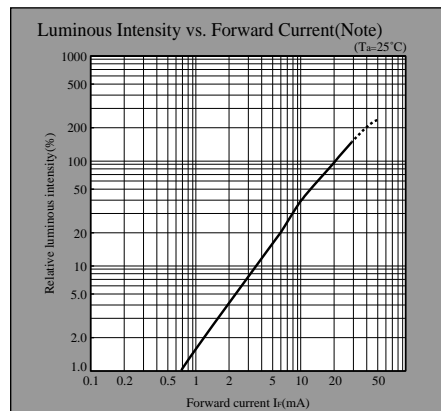
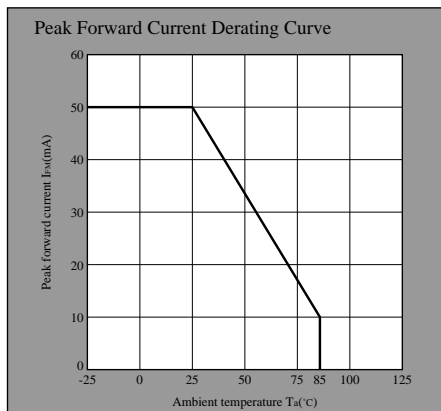
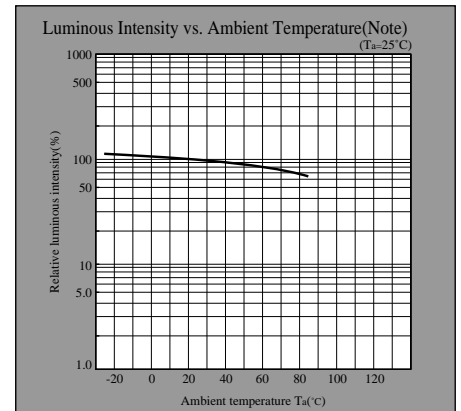
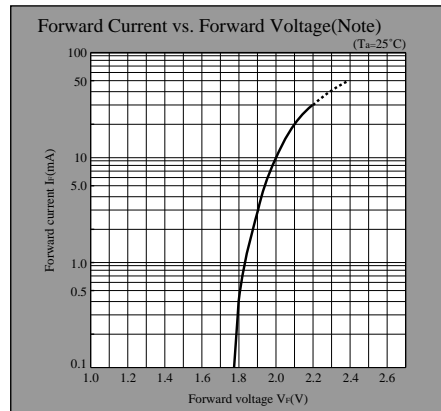
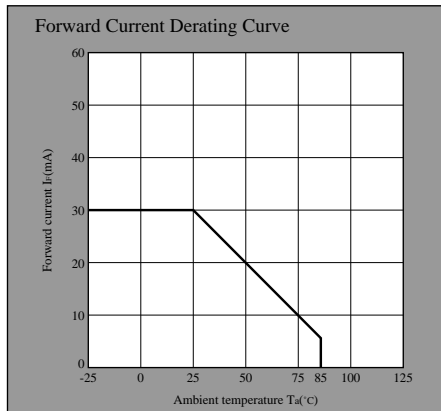
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LED Lamp Characteristics Diagrams

EG series



KG series

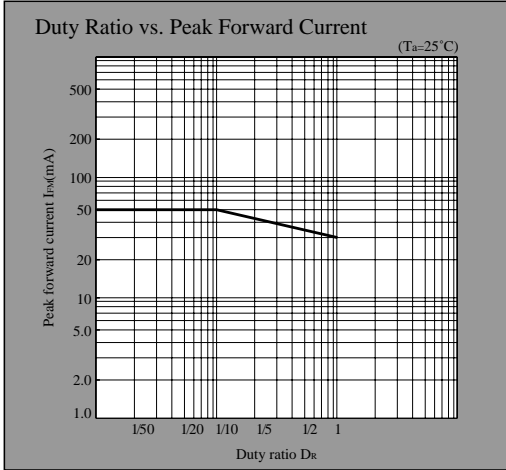
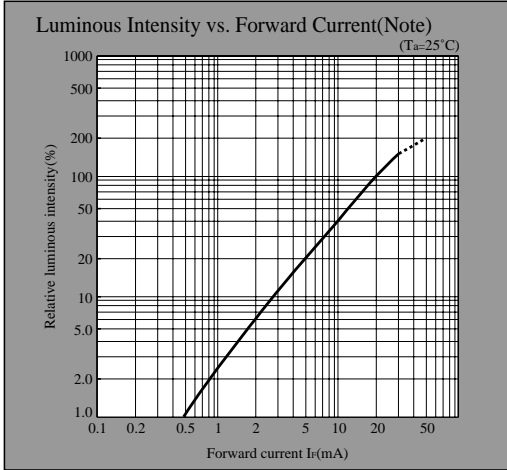
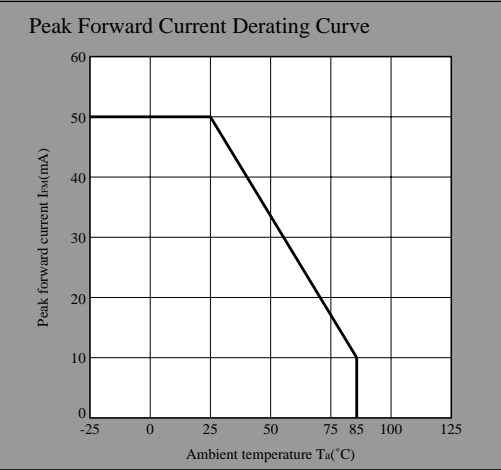
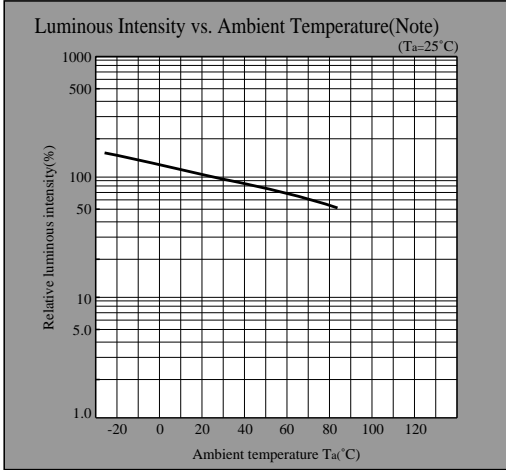
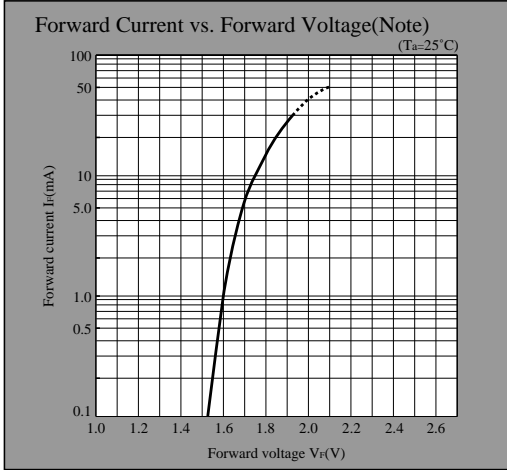
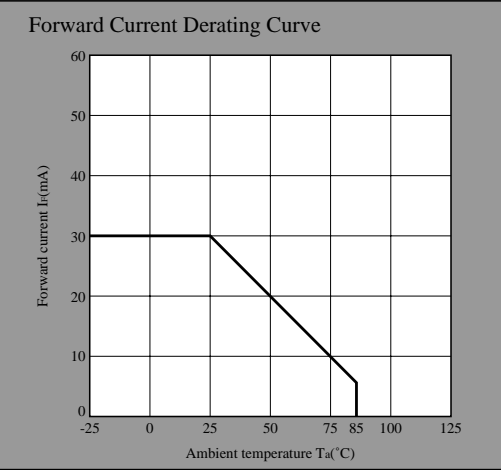


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LED Lamp Characteristics Diagrams

UR series



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TR series

