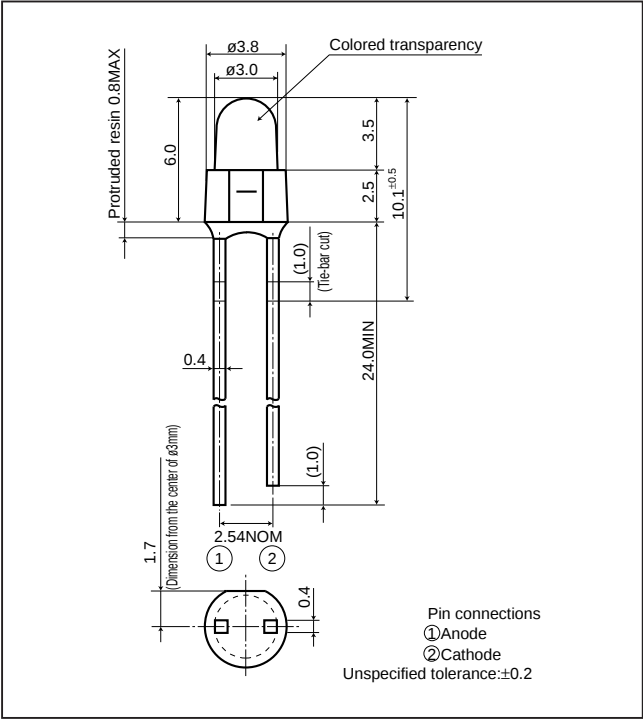


LT3□65W series

ø3mm(T-1), Cylinder Type(Thick Flange),
Colored Transparency, Tape-packaged
LED Lamps for Surface Mount

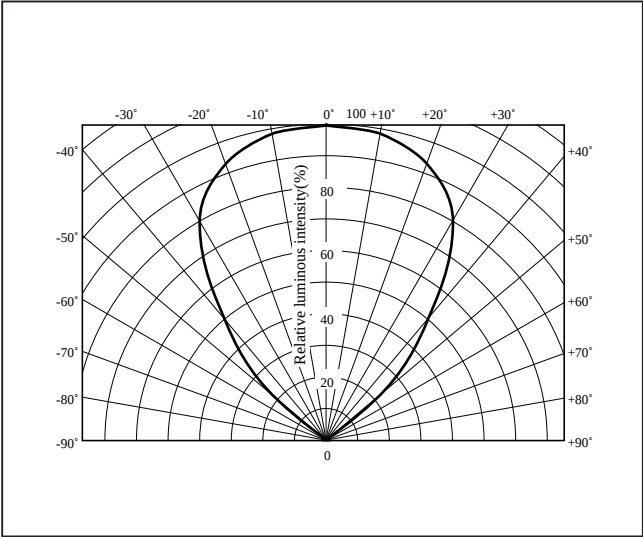
Outline Dimensions

(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)		Reverse voltage VR (V)	Operating temperature Topr (°C)	Storage temperature Tsig (°C)	Soldering temperature Tsol*2 (°C)
						DC	Pulse				
LT3P65W	Red	GaP	23	10	50	0.13	0.67	5	-25 to +85	-25 to +100	260
LT3D65W	Red	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
LT3S65W	Sunset orange	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
LT3H65W	Yellow	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
LT3E65W	Yellow-green	GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
LT3K65W	Green	GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260

*1 Duty ratio=1/10, Pulse width=0.1ms
*2 5s or less(At the position of 1.6mm or more from the bottom face of resin package)

Electro-optical Characteristics

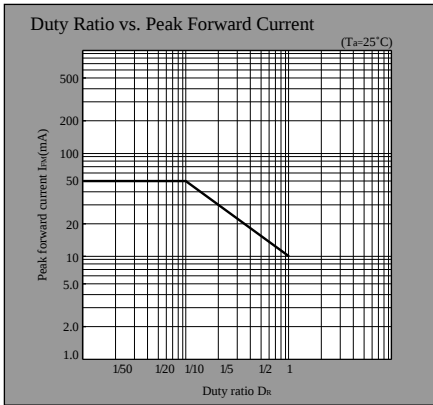
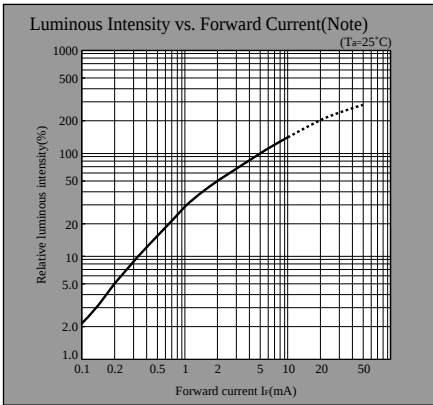
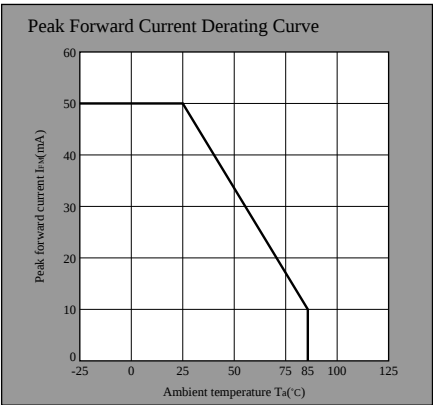
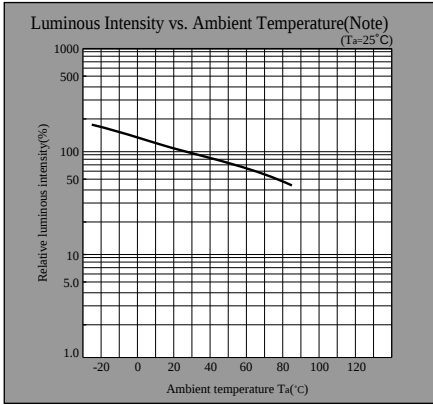
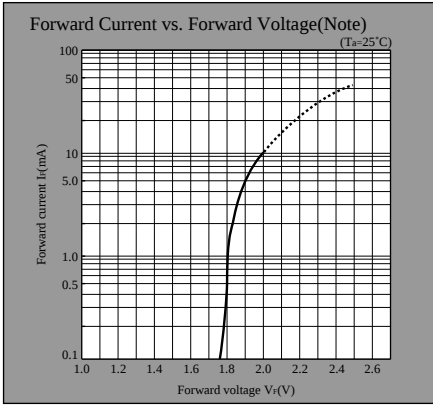
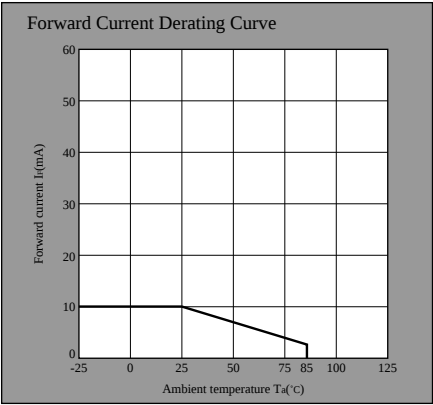
(Ta=25°C)

Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX	λ _p (nm) TYP	I _F (mA)	I _v (mcd) TYP	I _F (mA)	Δλ(nm) TYP	I _F (mA)	I _R (μA) MAX	V _R (V)	C _t (pF) TYP	(MHz)	
Colored transparency	LT3P65W	1.9	2.3	695	5	3.0	5	100	5	10	4	55	1	→
	LT3D65W	2.0	2.8	635	20	25.0	20	35	20	10	4	20	1	→
	LT3S65W	2.0	2.8	610	20	25.0	20	35	20	10	4	15	1	→
	LT3H65W	2.0	2.8	585	20	25.0	20	30	20	10	4	35	1	→
	LT3E65W	2.1	2.8	565	20	25.0	20	30	20	10	4	35	1	→
	LT3K65W	2.1	2.8	555	20	10.0	20	25	20	10	4	40	1	→

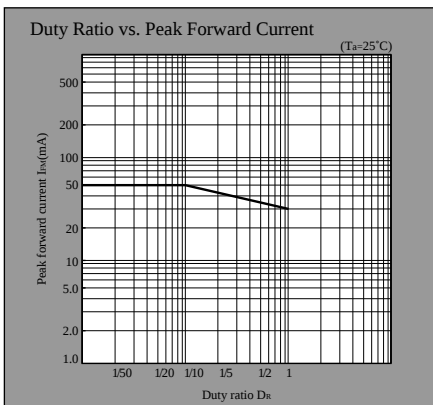
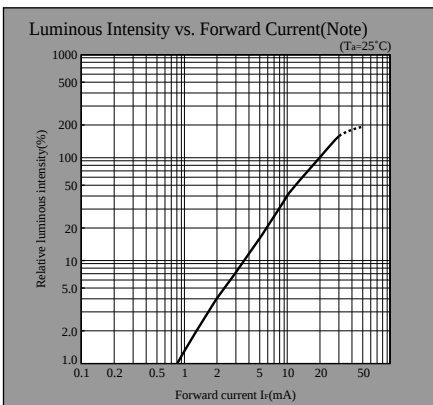
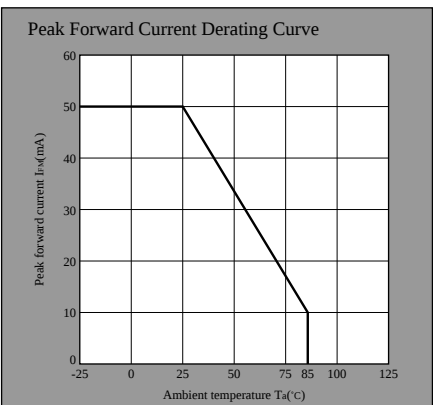
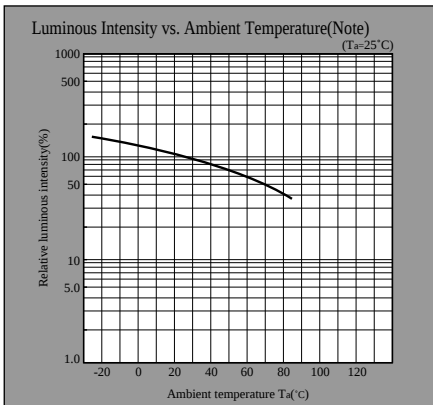
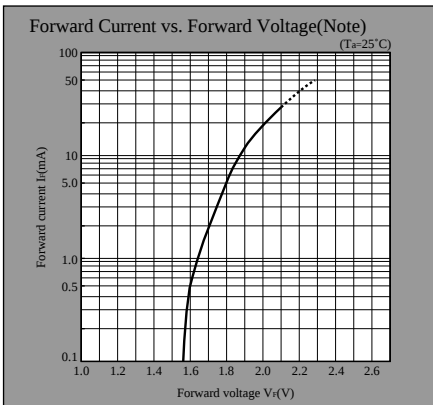
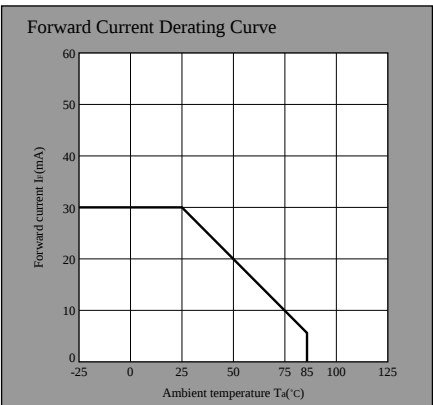
(Notice) • In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device.
(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

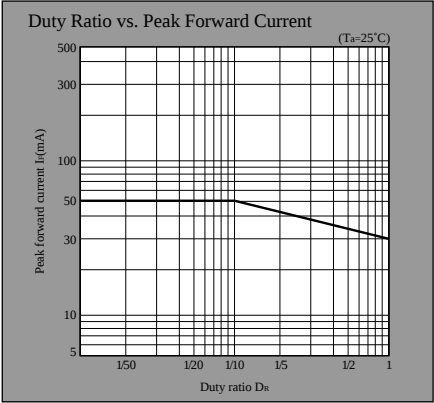
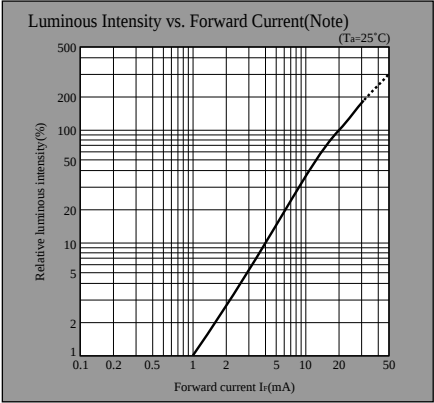
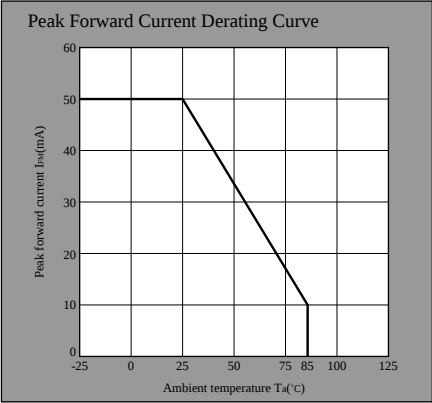
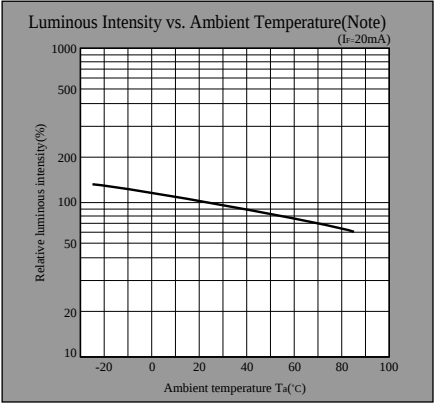
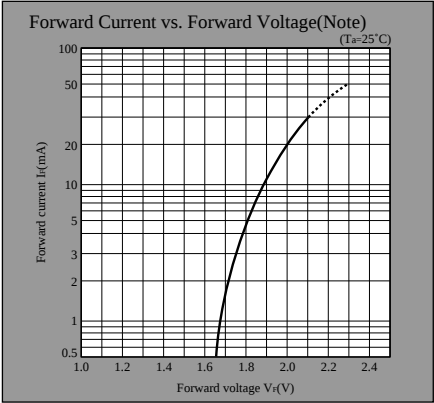
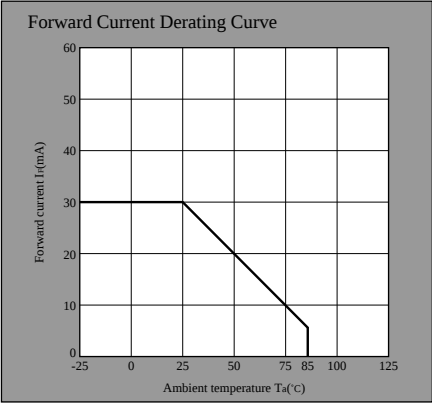


Note) Characteristics shown in diagrams are typical values. (not assurance value)

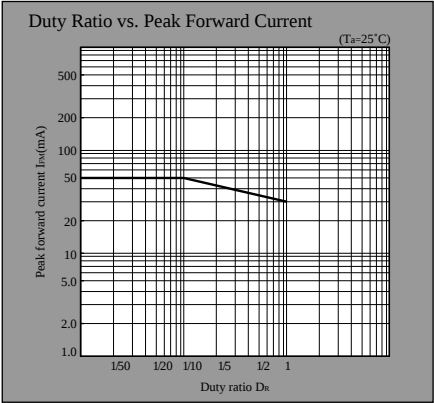
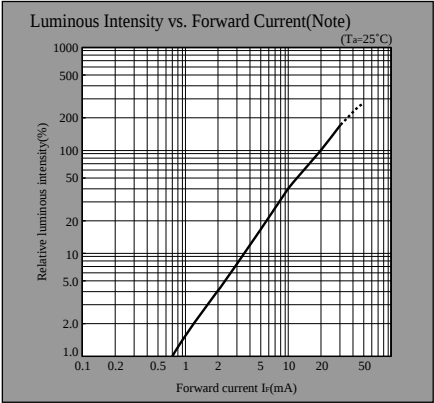
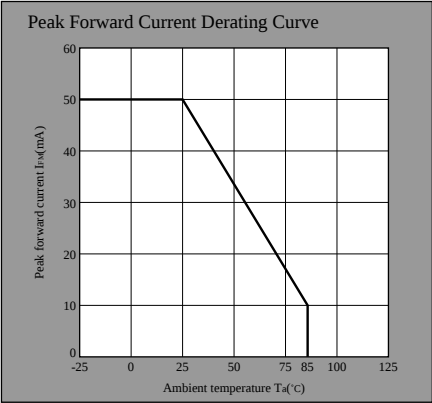
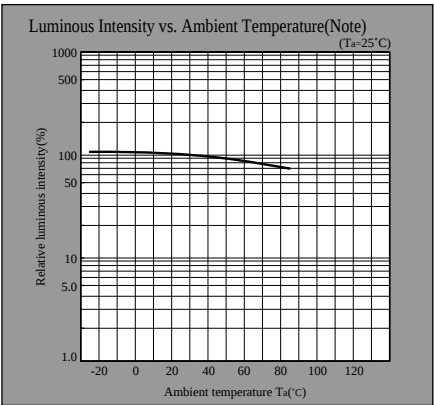
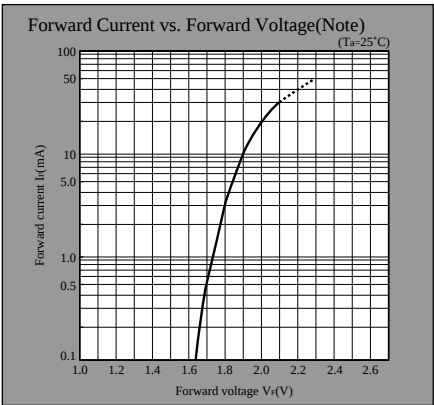
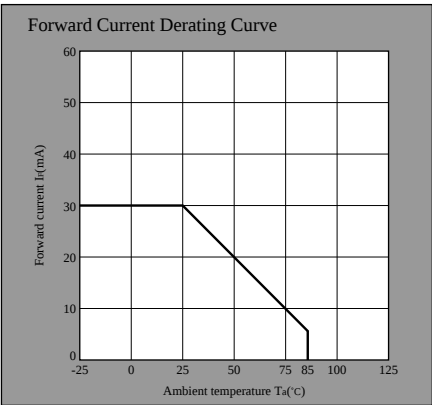
(Notice) • In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device.
(Internet) • Data for sharp's optoelectronic/power device is provided for internet.(Address <http://www.sharp.co.jp/ecg/>)

LED Lamp Characteristics Diagrams

HS series



HY series

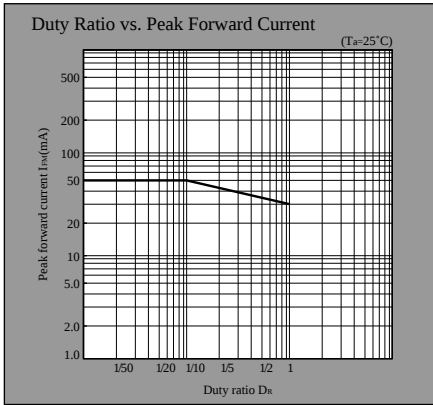
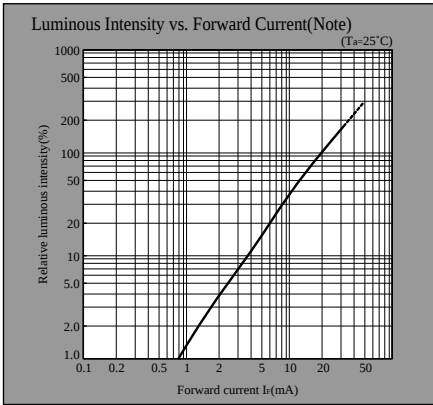
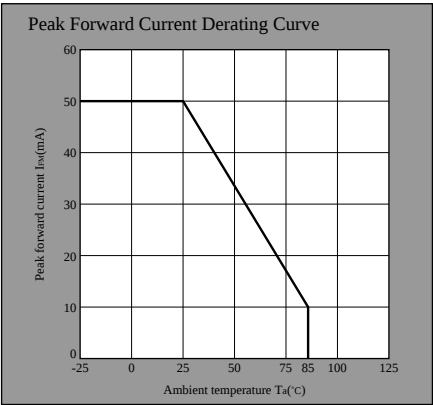
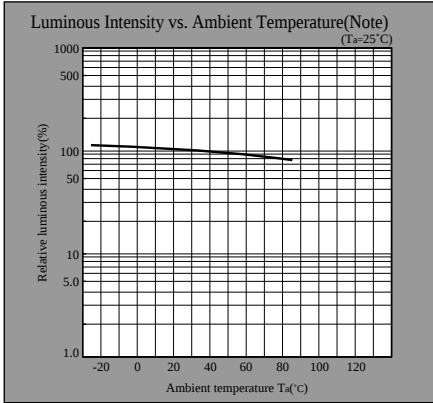
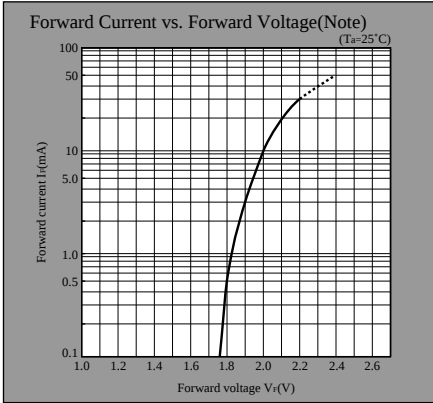
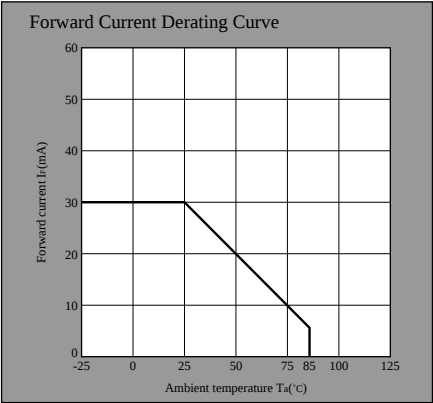


Note) Characteristics shown in diagrams are typical values. (not assurance value)

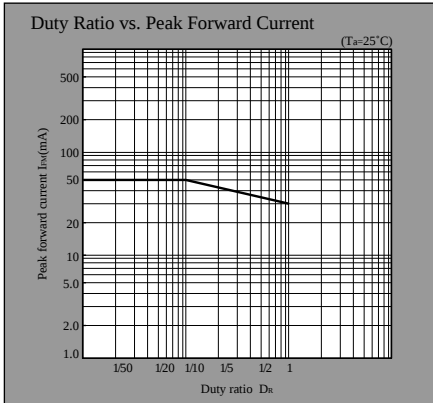
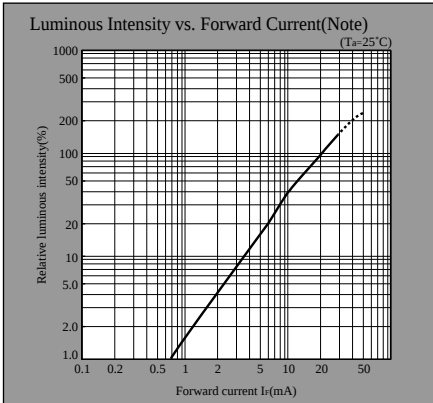
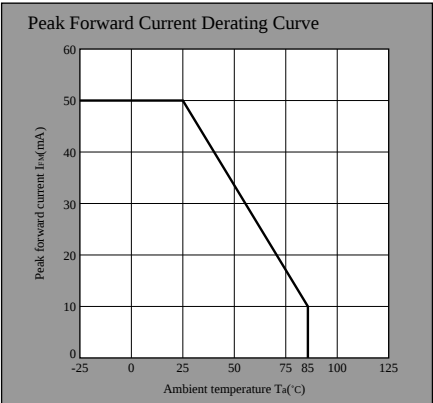
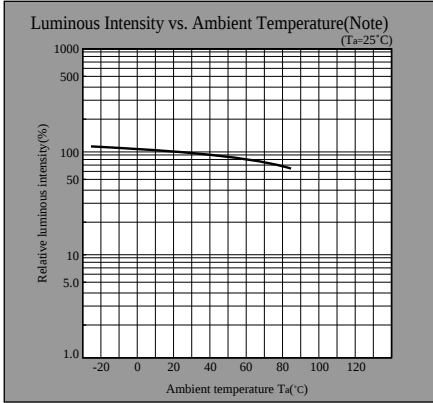
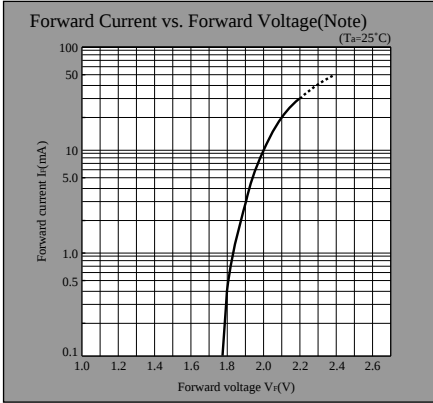
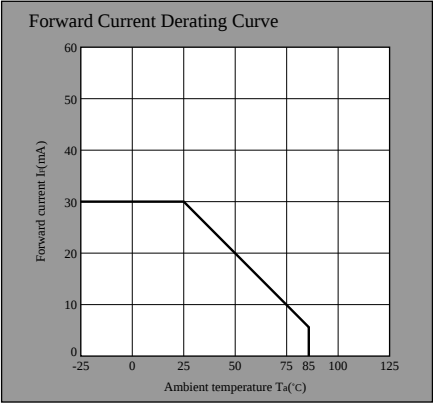
(Notice) • In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device.
(Internet) • Data for sharp's optoelectronic/power device is provided for internet.(Address <http://www.sharp.co.jp/ecg/>)

LED Lamp Characteristics Diagrams

EG series



KG series



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

(Notice) • In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device.
(Internet) • Data for sharp's optoelectronic/power device is provided for internet.(Address <http://www.sharp.co.jp/ecg/>)