

# LED Lamp

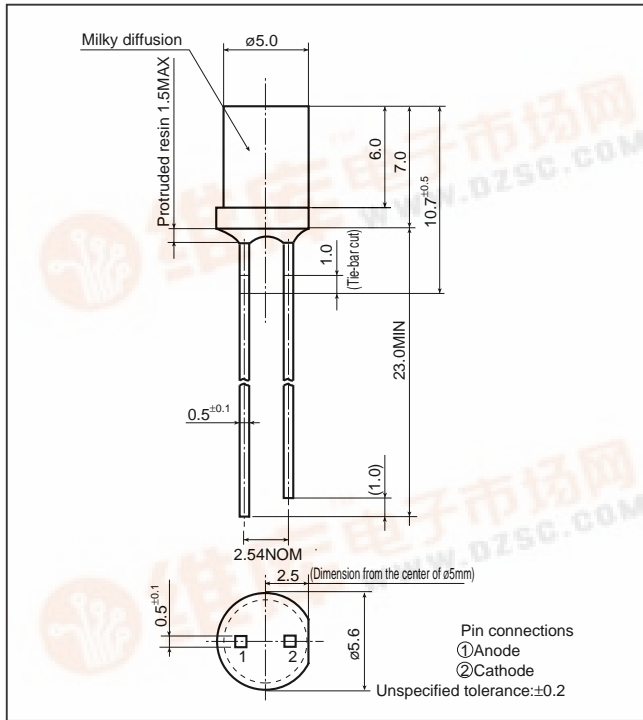
GL5□□60 series

## GL5□□60 series

ø5mm(T-1 3/4), Cylinder Type(Flat Top), Milky Diffusion LED Lamps for Backlight/Indicator

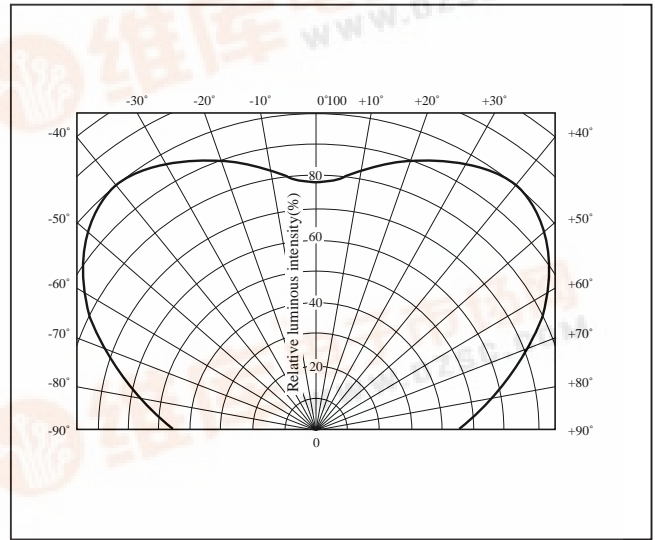
### ■ Outline Dimensions

(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 I <sub>F</sub> (mA)	Peak forward current I <sub>FM</sub> <sup>*1</sup> (mA)	Derating factor (mA/°C)		Reverse voltage V <sub>R</sub> (V)	Operating temperature T <sub>opr</sub> (°C)	Storage temperature T <sub>stg</sub> (°C)	Soldering temperature T <sub>sol</sub> <sup>*2</sup> (°C)
						DC	Pulse				
GL5HD60	Red	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL5EG60	Yellow-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

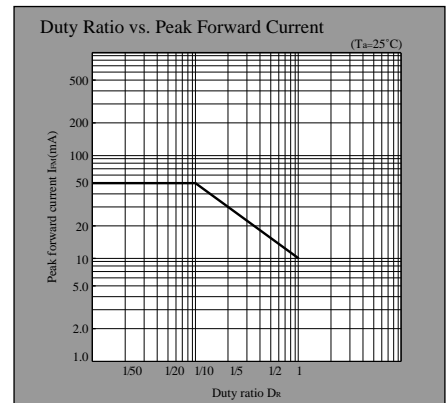
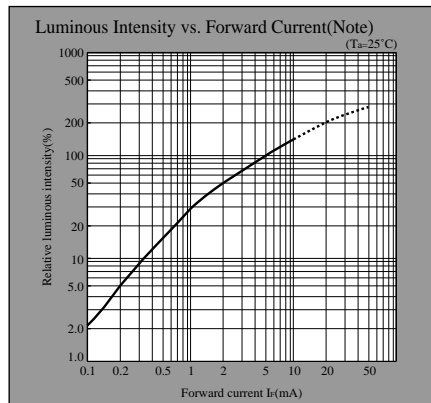
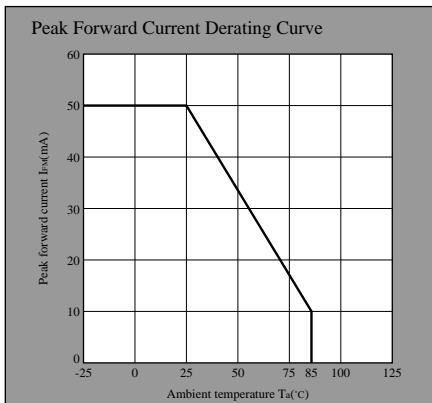
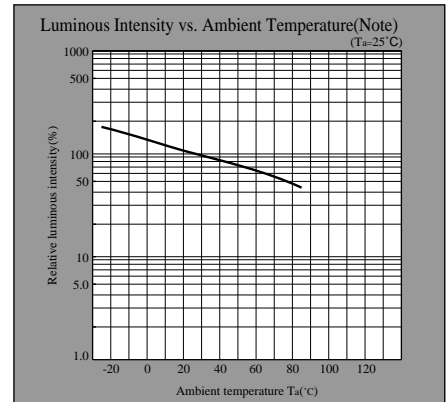
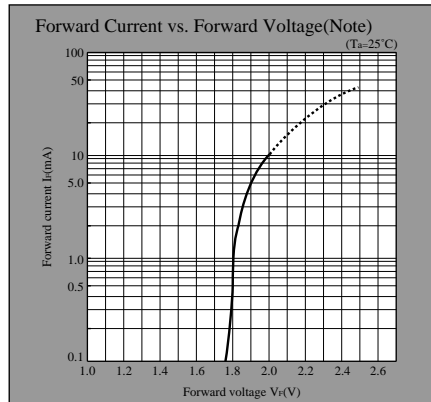
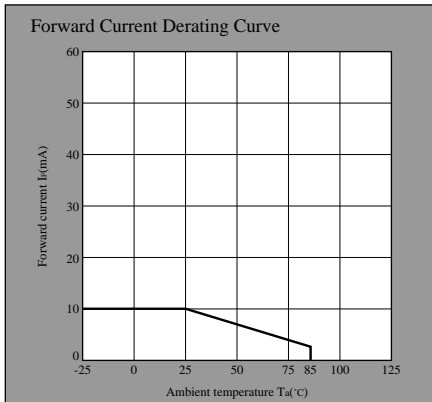
(Ta=25°C)

Lens type	Model No.	Forward voltage V <sub>F</sub> (V)		Peak emission wavelength λ <sub>p</sub> (nm)		Luminous intensity I <sub>v</sub> (mcd)		Spectrum radiation bandwidth Δλ(nm)		Reverse current I <sub>R</sub> (μA)		Terminal capacitance C <sub>t</sub> (pF)		Page for characteristics diagrams
		TYP	MAX	TYP	I <sub>F</sub> (mA)	TYP	I <sub>F</sub> (mA)	TYP	I <sub>F</sub> (mA)	MAX	V <sub>R</sub> (V)	TYP	(MHz)	
Milky diffusion	GL5HD60	2.0	2.8	635	20	8.0	20	35	20	10	4	20	1	→
	GL5EG60	2.1	2.8	565	20	23.0	20	30	20	10	4	35	1	→



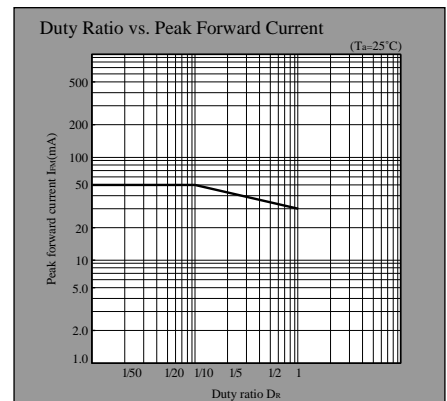
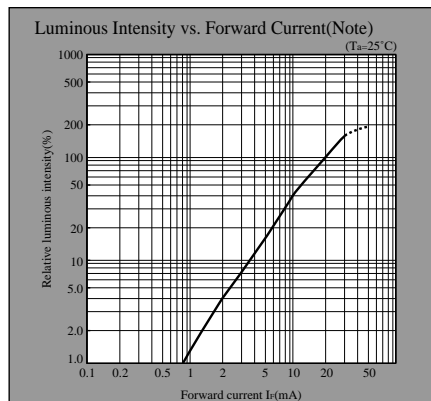
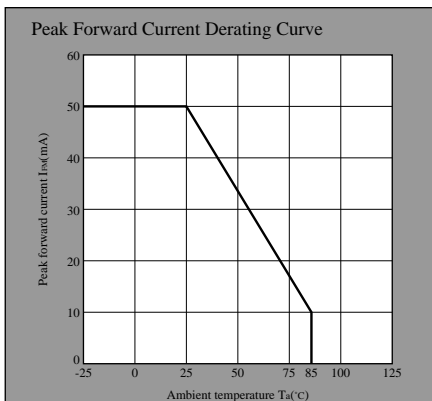
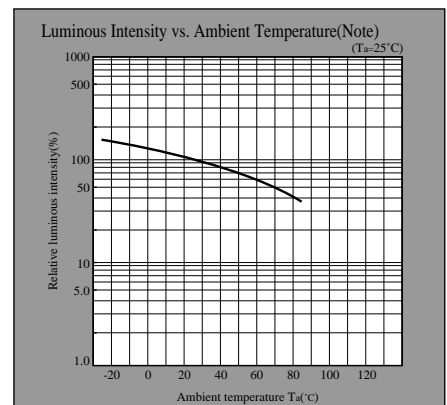
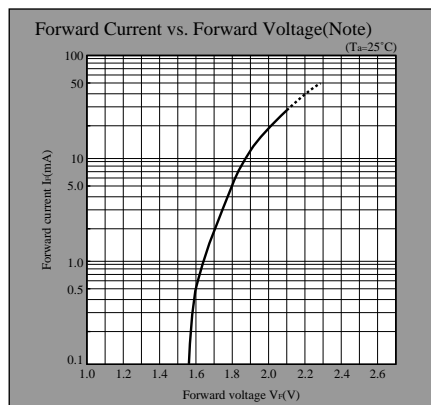
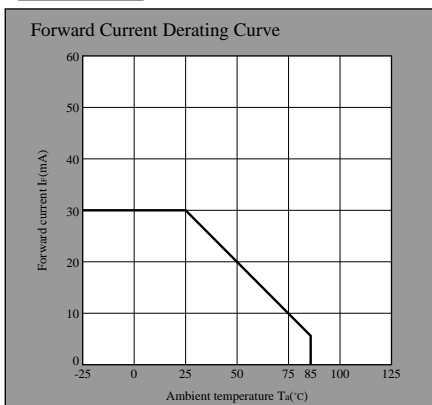
# LED Lamp Characteristics Diagrams

## PR series



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

## HD series

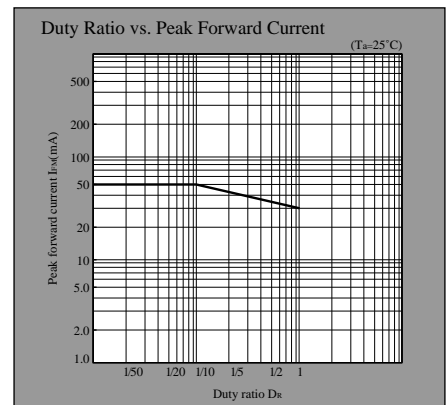
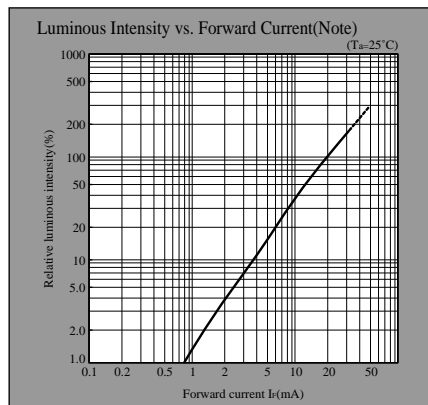
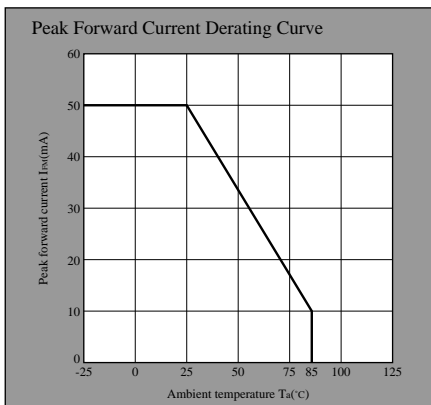
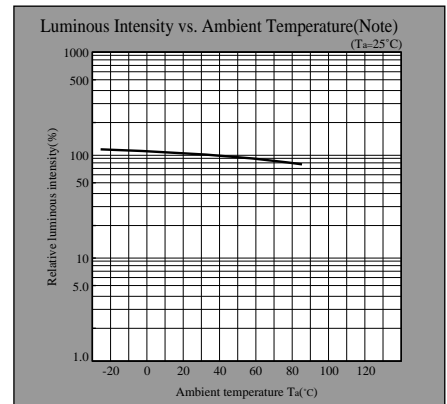
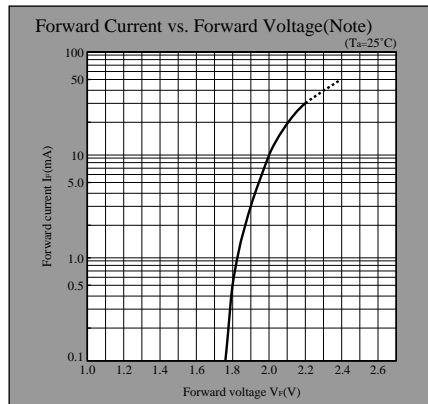
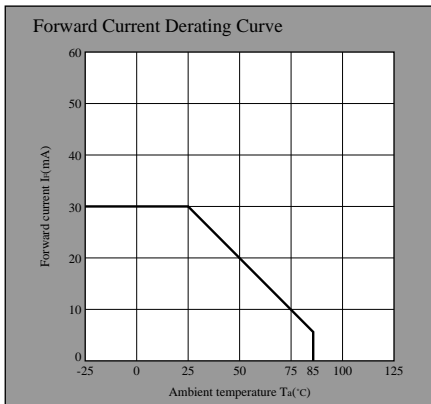


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(Notice) In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest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

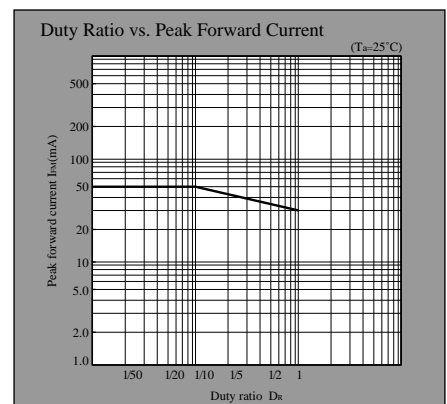
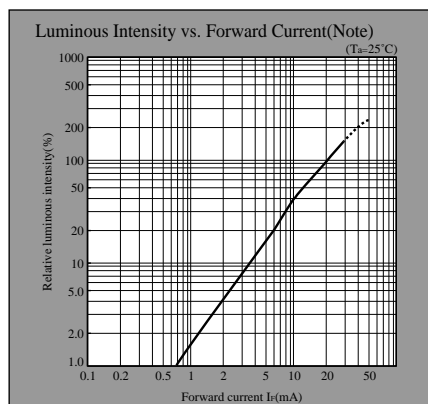
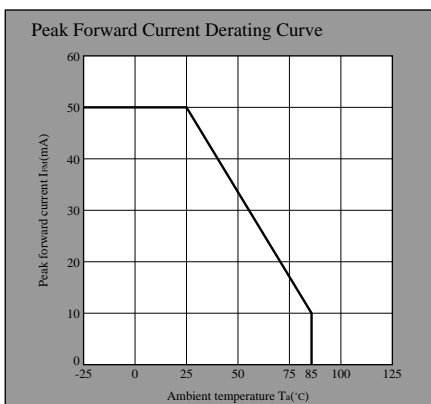
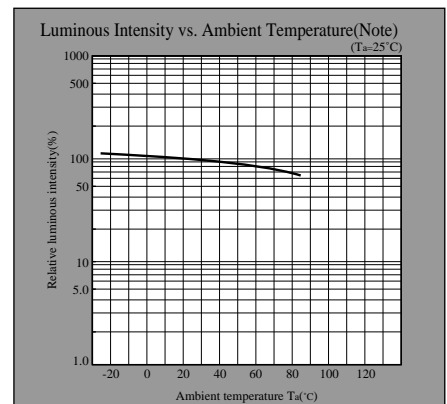
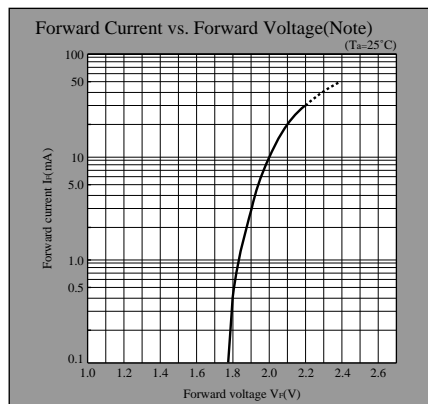
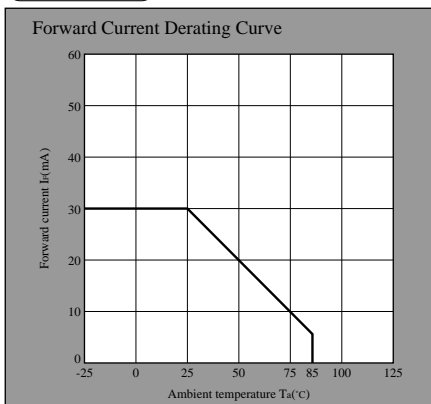
# LED Lamp Characteristics Diagrams

## 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)