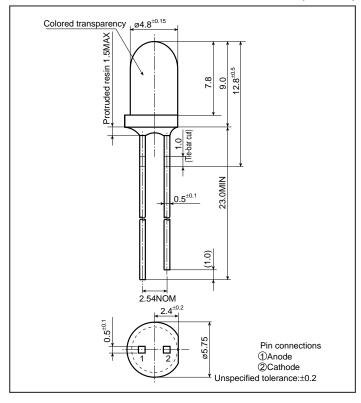
LED Lamp GL5□□40 series

GL5□□40 series

ø5mm(T-1 3/4), Cylinder Type, **Colored Transparency LED Lamps for Indicator**

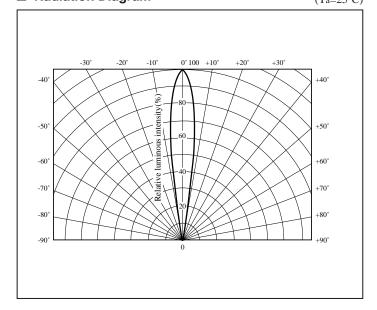
■ Outline Dimensions

(Unit: mm)



■ Radiation Diagram

(Ta=25°C)



■ Absolute Maximum Ratings

(1a=25 C)													
Model No.	Radiation color	Radiation material	Power dissipation	Forward current	Peak forward current IFM*1	Derating factor (mA/°C)		Reverse voltage V _R	Operating temperature $\mathbf{T}_{\mathrm{opr}}$	Storage temperature $T_{\rm stg}$	Soldering temperature T _{sol} *2		
			(mW)	(mA)	(mA)	DC	Pulse	(V)	(°C)	(°C)	(°C)		
GL5PR40	Red	GaP	23	10	50	0.13	0.67	5	-25 to +85	-25 to +100	260		
GL5HD40	Red	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260		
GL5HS40	Sunset orange	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260		
GL5HY40	Yellow	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260		
GL5EG40	Yellow-green	GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260		
GL5KG40	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

■ Electro-optical Characteristics

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

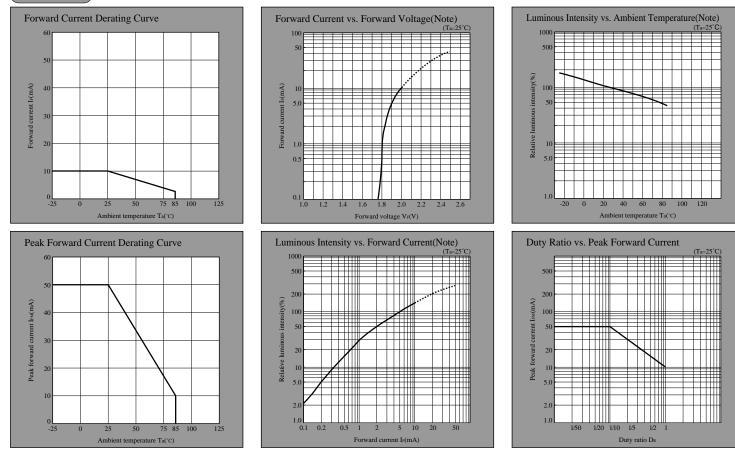
Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for
				$\lambda_p(nm)$	\mathbf{I}_{F}	Iv(mcd) IF	$\Delta\lambda(nm)$ If		Ir(µA) Vr		C _t (pF)	characteristics		
		TYP	MAX	TYP	(mA)	TYP	(mA)	TYP	(mA)	MAX	(V)	TYP	(MHz)	diagrams
Colored transparency	GL5PR40	1.9	2.3	695	5	35	5	100	5	10	4	55	1	\rightarrow
	GL5HD40	2.0	2.8	635	20	250	20	35	20	10	4	20	1	\rightarrow
	GL5HS40	2.0	2.8	610	20	200	20	35	20	10	4	15	1	\rightarrow
	GL5HY40	2.0	2.8	585	20	250	20	30	20	10	4	35	1	\rightarrow
	GL5EG40	2.1	2.8	565	20	250	20	30	20	10	4	35	1	\rightarrow
	GL5KG40	2.1	2.8	555	20	70	20	25	20	10	4	40	1	\rightarrow

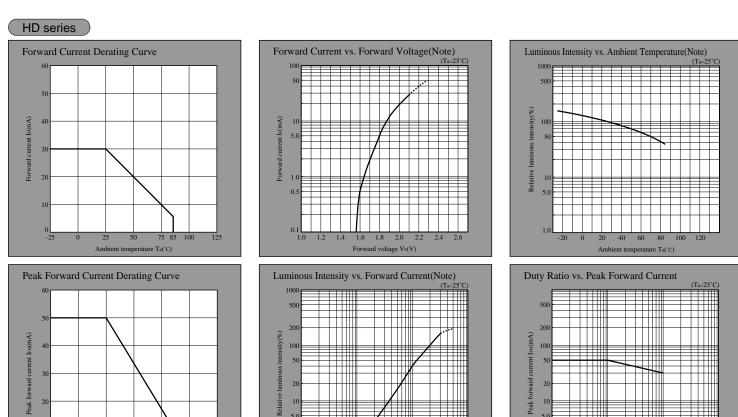
• In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device.

^{*2 5}s or less(At the position of 1.6mm or more from the bottom face of resin package)

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

PR series





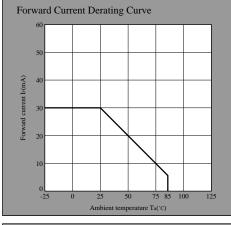
Note)Characteristics shown in diagrams are typical values. (not assurance value)

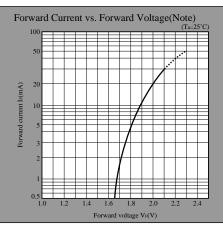
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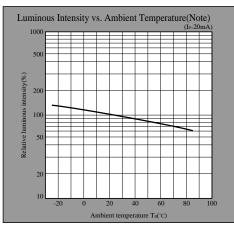
Forward current I_F(mA)

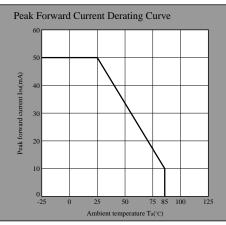
Duty ratio DR

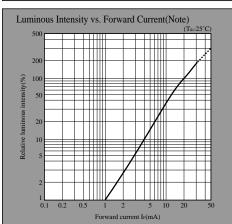
HS series

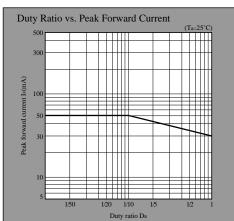




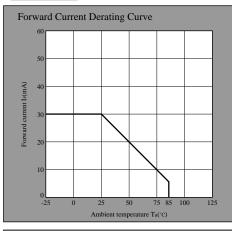


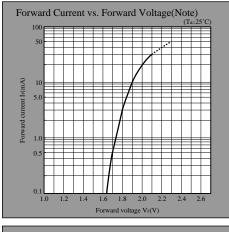


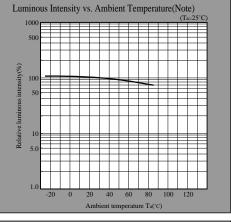


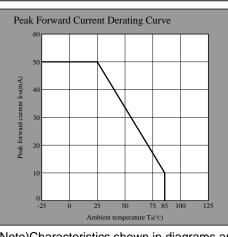


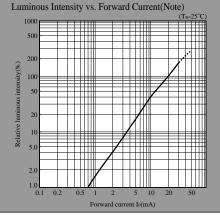
HY series

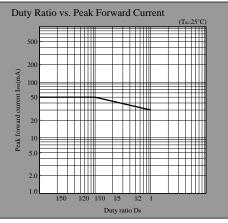








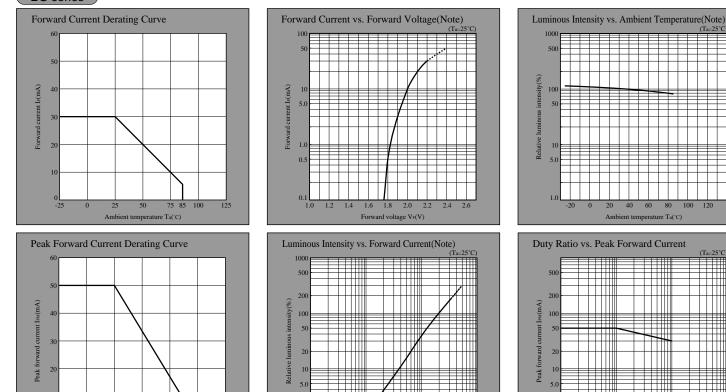


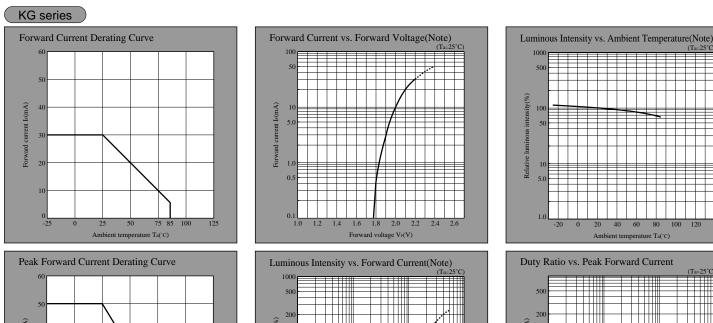


Note) Characteristics shown in diagrams are typical values. (not assurance value)

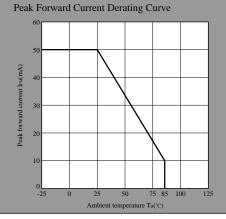
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EG series

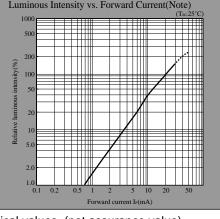


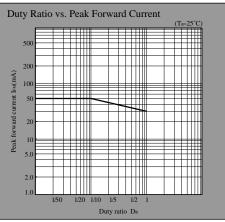


Forward current I_F(mA)



Ambient temperature Ta(°C)





Duty ratio DR

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