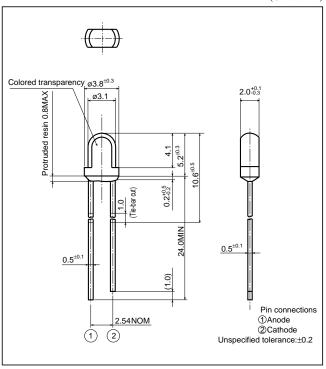
GL8□□4 series

2.0 × 3.1mm, Arch Type, Colored Transparency, High-luminosity LED Lamp for Indicator

■ Outline Dimensions

(Unit: mm)



■ Absolute Maximum Ratings

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

Model No.	Radiation color	Radiation material	Power dissipation P (mW)	Forward current IF (mA)	Peak forward current IFM (mA)		g factor /°C)	Reverse voltage V _R (V)	Operating temperature T_{opr} (°C)	Storage temperature T_{stg} (°C)	Soldering temperature $\mathbf{T_{sol}}^{*3}$ (°C)
GL8UR4	Red(Super-luminosity)	GaA1As on GaA1As	75	30	50*1	0.40	0.67	4	-25 to +85	-25 to +100	260
GL8TR4	Red(High-luminosity)	GaA1As on GaAs	110	50	300*2	0.67	4.00	5	-25 to +85	-25 to +100	260

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

■ Electro-optical Characteristics

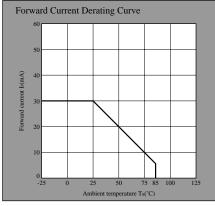
(Ta=25°C)

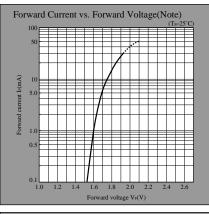
Lens		Model No.	Forward voltage		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for
	Lens type		V _F (V)		$\lambda_p(nm)$	I_{F}	Iv(mcd)	I_F	$\Delta\lambda(nm)$	IF	Ir(µA)	V_{R}	C _t (pF)		characteristics
			TYP	MAX	TYP	(mA)	TYP	(mA)	TYP	(mA)	MAX	(V)	TYP	(MHz)	diagrams
Colored tra	alamad transparance	GL8UR4	1.85	2.5	660	20	150	20	20	20	100	3	25	1	\rightarrow
	colored transparency	GL8TR4	1.75	2.2	660	20	40	20	20	20	10	4	30	1	\rightarrow

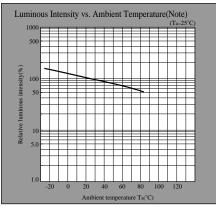
^{*2} Duty ratio=1/16, Pulse width≤1ms

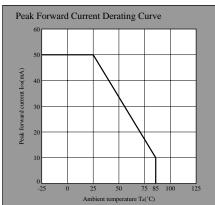
^{*3 5}s or less(At the position of 1.6mm or more from the bottom face of resin package)

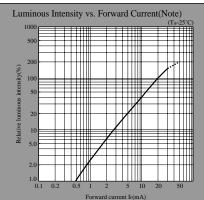
UR series

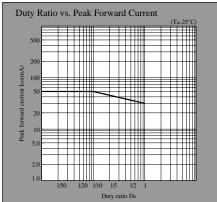




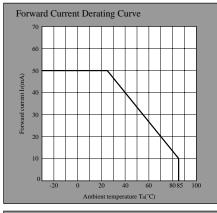


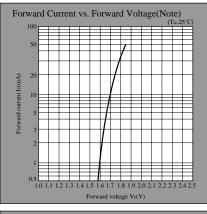


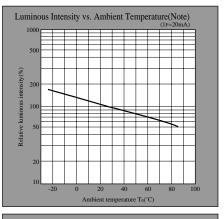


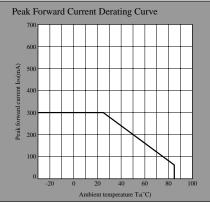


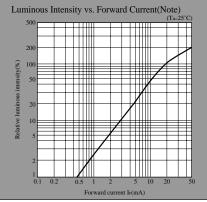
TR series

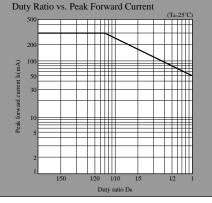












Note) Characteristics shown in diagrams are typical values. (not assurance value)

(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.