

## Super-luminosity LED Lamp/High-luminosity LED Lamp

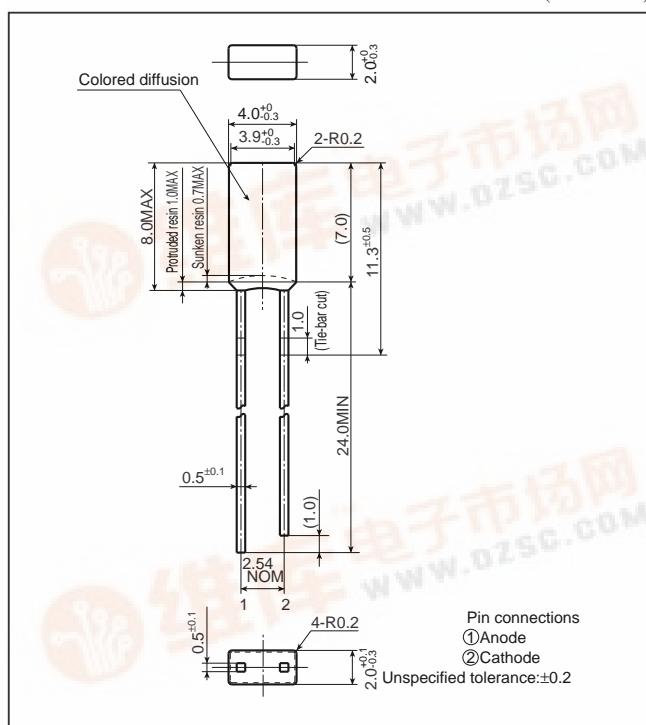
GL8TR42

## GL8TR42

2.0 X 3.9mm, Rectangle Type,  
Colored Diffusion, High-luminosity  
LED Lamp for Indicator

## ■ Outline Dimensions

(Unit : mm)



## ■ 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 Tstg (°C)	Soldering temperature Tsol*2 (°C)
						DC	Pulse				
GL8TR42	Red(High-luminosity)	GaAlAs on GaAs	110	50	300	0.67	4.00	5	-25 to +85	-25 to +100	260

\*1 Duty ratio=1/16, Pulse width≤1ms

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

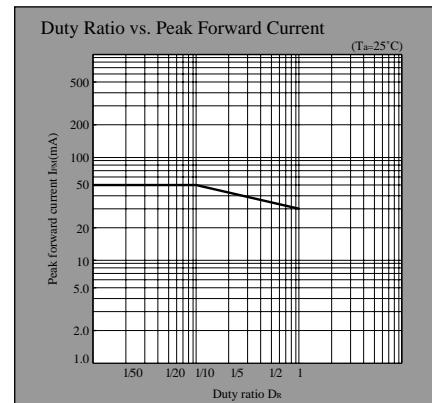
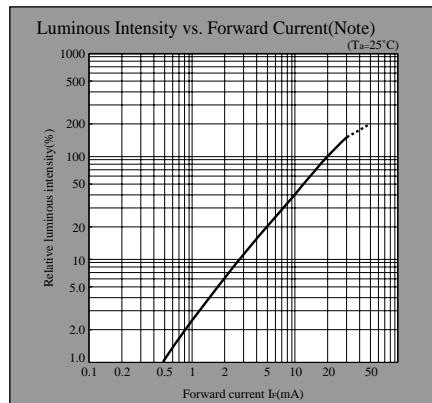
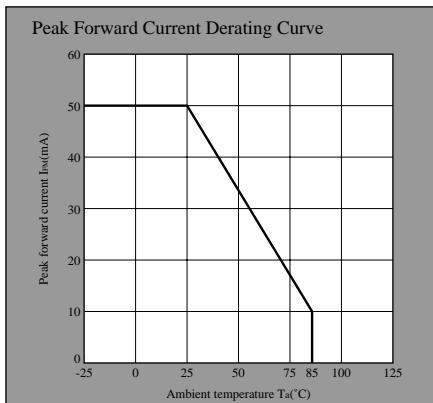
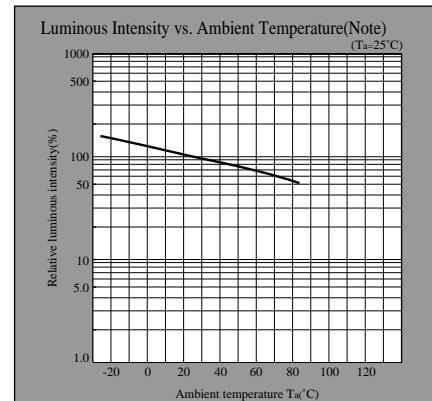
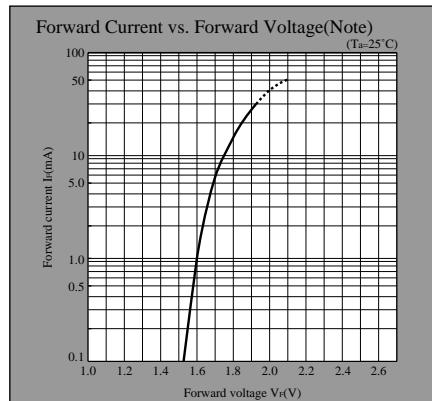
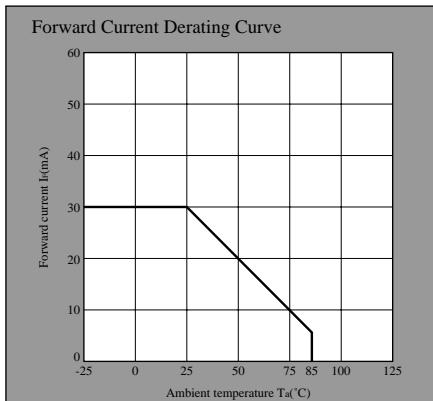
## ■ Electro-optical Characteristics

(Ta=25°C)

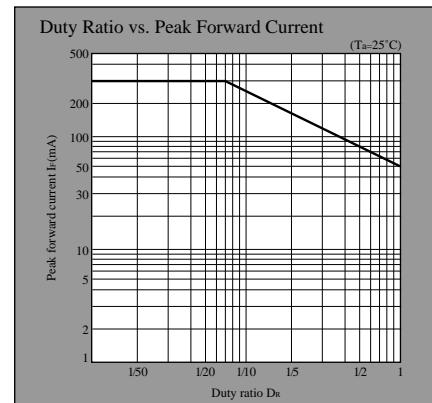
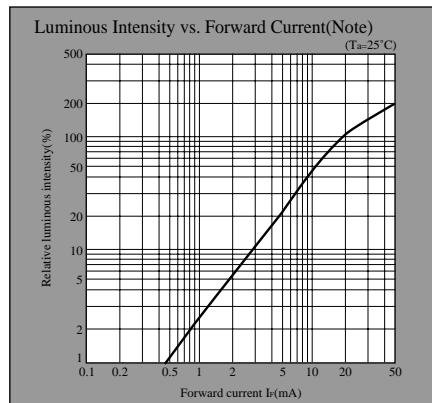
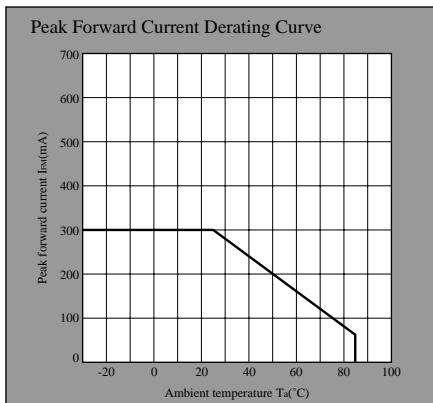
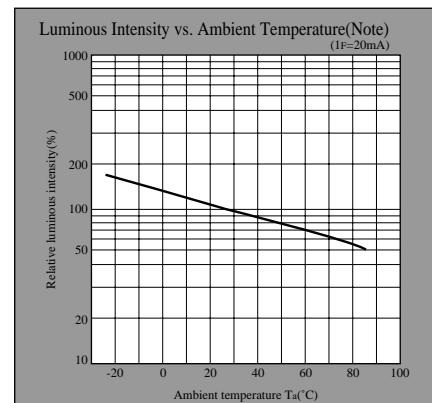
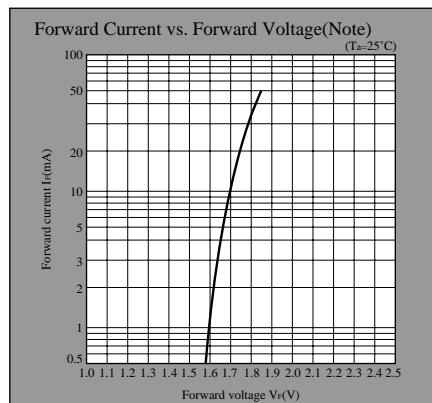
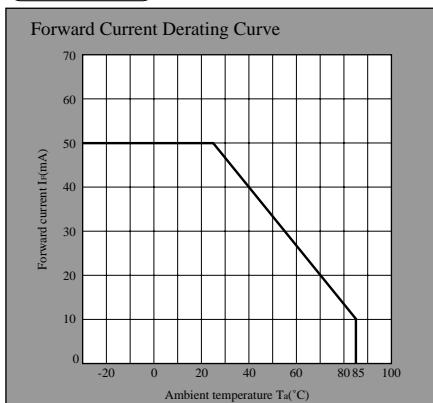
Lens type	Model No.	Forward voltage Vf(V)		Peak emission wavelength λp(nm)		Luminous intensity Iv(mcd)		Spectrum radiation bandwidth Δλ(nm)		Reverse current Ir(μA)		Terminal capacitance Ct(pF)		Page for characteristics diagrams
		TYP	MAX	TYP	TYP	TYP	TYP	TYP	TYP	MAX	Vr (V)	TYP	MHz	
Colored diffusion	GL8TR42	1.75	2.2	660	20	4.0	20	20	20	10	4	30	1	→

# LED Lamp Characteristics Diagrams

## 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.

(Note) • Data for individual products is measured in accordance with IEC60845-2 (A) and IEC60845-1 (A) and IEC60845-2 (B) and IEC60845-1 (B).