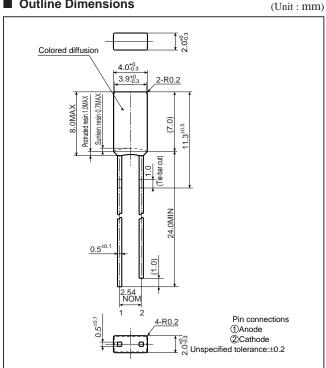
# GL8TR42

# $2.0 \times 3.9$ mm, Rectangle Type, **Colored Diffusion, High-luminosity LED Lamp for Indicator**

#### **■** Outline Dimensions



## ■ Absolute Maximum Ratings

(Ta=25°C)

											(1: 20 0)	
Model No.	Radiation color	Radiation material	Power dissipation Porward current P IF		Peak forward current  IFM*1	Derating factor (mA/°C)		Reverse voltage V <sub>R</sub>	Operating temperature $T_{\mathrm{opr}}$	Storage temperature $T_{\mathrm{stg}}$	Soldering temperature ${T_{\rm sol}}^{*2}$	
			(mW)	(mA)	(mA)	DC	Pulse	(V)	(°C)	(°C)	(°C)	
GL8TR42	Red(High-luminosity)	GaA1As on GaAs	110	50	300	0.67	4.00	5	-25 to +85	-25 to +100	260	

<sup>\*1</sup> Duty ratio=1/16, Pulse width≤1ms

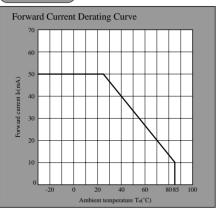
### **■** Electro-optical Characteristics

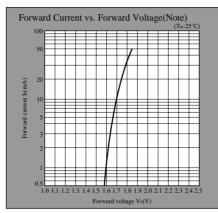
(Ta=25°C)

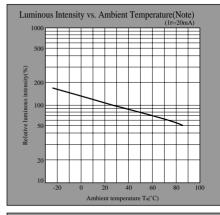
Lens type	Model No.	Forward voltage		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for
		V <sub>F</sub> (V)		$\lambda_p(nm)$	IF	Iv(mcd)	IF	$\Delta\lambda(nm)$	IF	Ir(µA)	VR	C <sub>t</sub> (pF)	(MHz)	characteristics
		TYP	MAX	TYP	(mA)	TYP	(mA)	TYP	(mA)	MAX	(V)	TYP	(MHZ)	diagrams
Colored diffusion	GL8TR42	1.75	2.2	660	20	4.0	20	20	20	10	4	30	1	$\rightarrow$

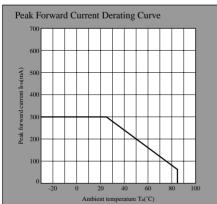
<sup>\*2 5</sup>s or less(At the position of 1.6mm or more from the bottom face of resin package)

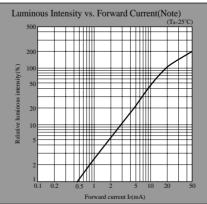
#### TR series

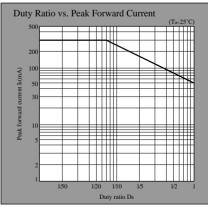












Note)Characteristics shown in diagrams are typical values. (not assurance value)