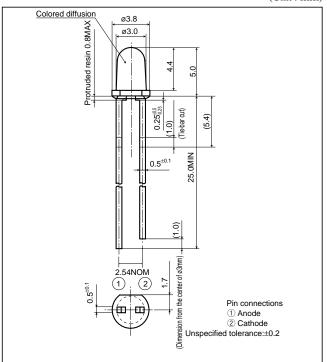
# GL3□□8 series

# ø3mm(T-1), Cylinder Type, Colored Diffusion, High-luminosity LED Lamps for Indicator

#### Outline Dimensions

(Unit: mm)



## 

#### ■ Absolute Maximum Ratings

(Ta=25°C)

Model No.	Emitting color	Material	Power dissipation P (mW)	Forward current  IF  (mA)	Peak forward current  IFM  (mA)	Derating fac (mA/°C)		Reverse voltage VR (V)	Operating temperature  Topr  (°C)	Storage temperature  T <sub>stg</sub> (°C)	Soldering temperature $\mathbf{T_{sol}}^{*3}$ (°C)
GL3UR8	Red(Super-luminosity)	GaAlAs on GaAlAs	75	30	50*1	0.40	0.67	4	-25 to +85	-25 to +100	260
GL3TR8	Red(High-luminosity)	GaAlAs on GaAs	110	50	300*2	0.67	4.00	5	-25 to +85	-25 to +100	260

<sup>\*1</sup> Duty ratio=1/10, Pulse width=0.1ms

#### ■ Electro-optical Characteristics

(Ta=25°C)

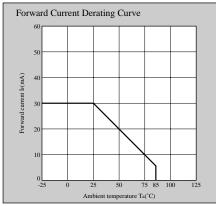
Lens type	Model No.	Forward voltage Peak		Peak emission	Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance	
		V <sub>F</sub> (V)		$\lambda_p(nm)$	IF Iv(mc	Iv(mcd)	IF	Δλ(nm)	IF	Ir(µA)	VR	C <sub>t</sub> (pF)		characteristics
		TYP	MAX	TYP	(mA)	TYP	(mA)	TYP	(mA)	MAX	(V)	TYP	(MHz)	diagrams
Colored	GL3UR8	1.85	2.5	660	20	300	20	20	20	100	3	25	1	99
diffusion	GL3TR8	1.75	2.2	660	20	60	20	20	20	10	4	30	1	99

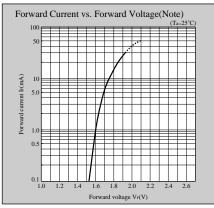
<sup>\*2</sup> Duty ratio=1/16, Pulse width≤1ms

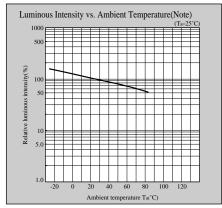
<sup>\*3 5</sup>s or less(At the position of 1.6mm or more from the bottom face of resin package)

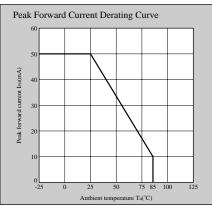
### **Characteristics Diagrams**

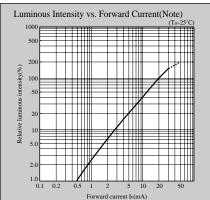
#### UR,U series

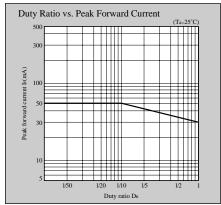




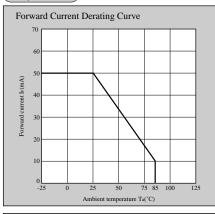


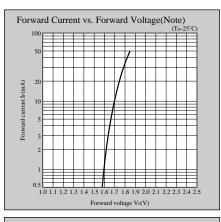


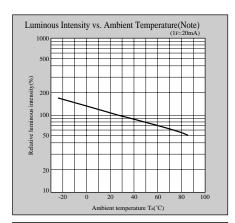


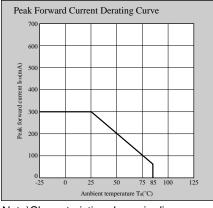


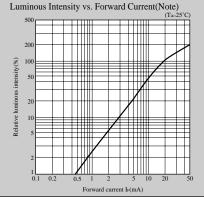
#### TR,T series

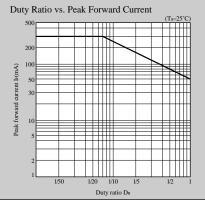












Note) Characteristics shown in diagrams are typical values. (not assurance value)

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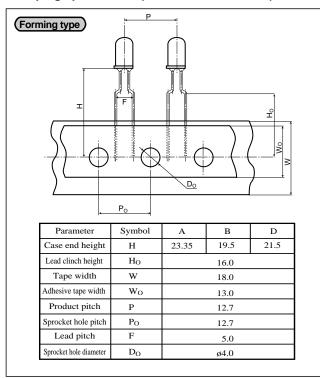
Internet address for Electronic Components Group http://sharp-world.com/ecg/

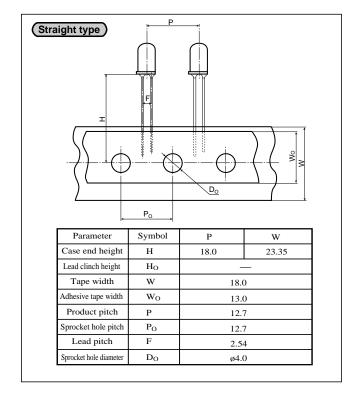
## **Taping Specifications**

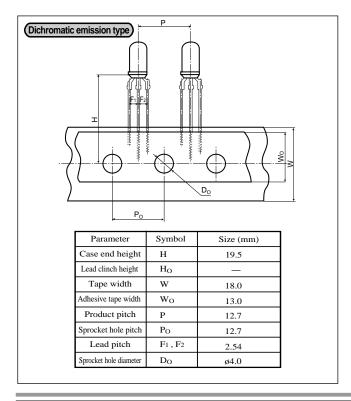
#### **■** General Description

Sharp can supply tape-packaged LED lamps for automatic mounting. They will contribute to the high-efficiency mounting, high-precision, power saving. Please confirm before use because some products are not available in taping package.

#### ■ Taping specification(Unit : mm, TYP. value)







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- Traffic signals
- Gas leakage sensor breakers
- Alarm equipment
- Various safety devices, etc.
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