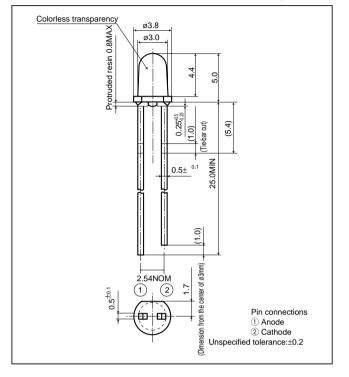
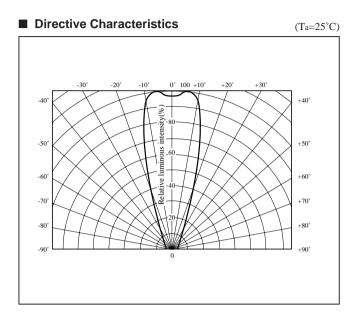
GL30044 series

Outline Dimensions

(Unit:mm)



ø3mm(T-1), Cylinder Type, Colorless Transparency, High-Iuminosity LED Lamps for Backlight/Indicator



Absolute Maximum Ratings

■ Absolute Maximum Ratings (T _a =25°C													
Model No.	Emitting color		Power dissipation Forward current P IF (mW) (mA)		Peak forward current Іғм (mA)	Derating factor (mA/°C) DC Pulse		Reverse voltage V _R (V)	Operating temperature Topr (°C)	Storage temperature T _{stg} (°C)	Soldering temperature T _{sol} ^{*3} (°C)		
GL3UR44	Red(Super-luminosity)	GaAlAs on GaAlAs	75	30	50*1	0.40	0.67	4	-25 to +85	-25 to +100	260		
GL3TR44	Red(High-luminosity)	GaAlAs 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

*2 Duty ratio=1/16, Pulse width≤1ms

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

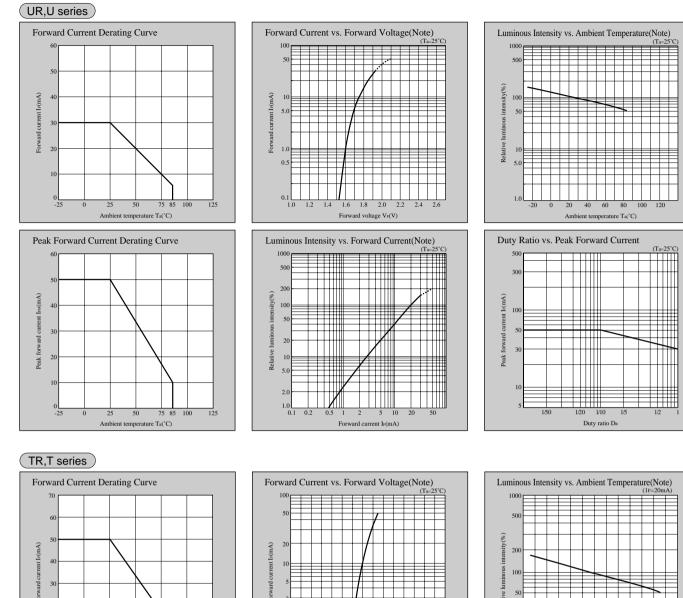
Electro-optical Characteristics

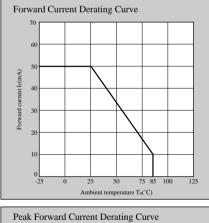
	•													$(T_a=25 C)$
Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for
				$\lambda_p(nm)$	IF	Iv(mcd)	IF	$\Delta\lambda(nm)$	IF	Ir(µA)	Vr	Ct(pF)		characteristics
		TYP	MAX	TYP	(mA)	TYP	(mA)	TYP	(mA)	MAX	(V)	TYP	(MHz)	diagrams
Colorless	GL3UR44	1.85	2.5	660	20	250	20	20	20	100	3	25	1	99
transparency	GL3TR44	1.75	2.2	660	20	110	20	20	20	10	4	30	1	99

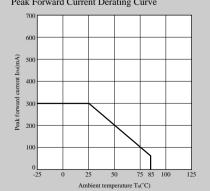
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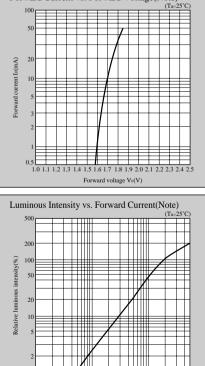
a = ° ~

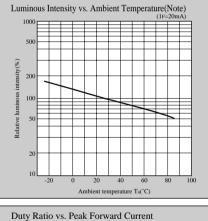
Characteristics Diagrams

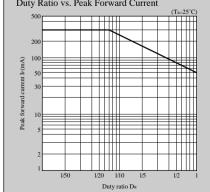












Note)Characteristics shown in diagrams are typical values. (not assurance value)

0.1

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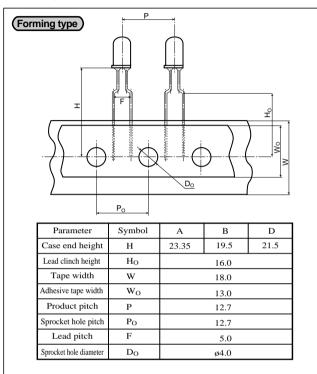
Forward current IF(mA)

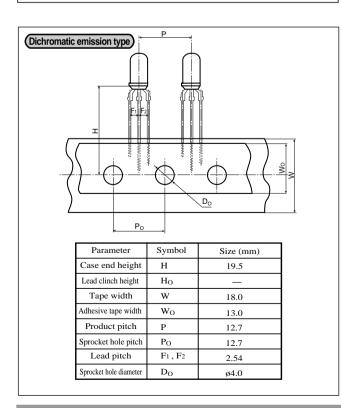
20

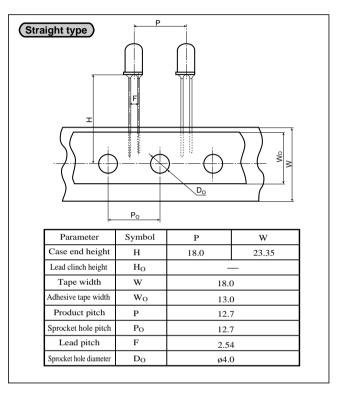
General Description

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)







Taping Specifications

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- Office automation equipment
- Telecommunication equipment [terminal]
- Test and measurement equipment
- Industrial control
- Audio visual equipment
- Consumer electronics

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

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- Telecommunication equipment [trunk lines]
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