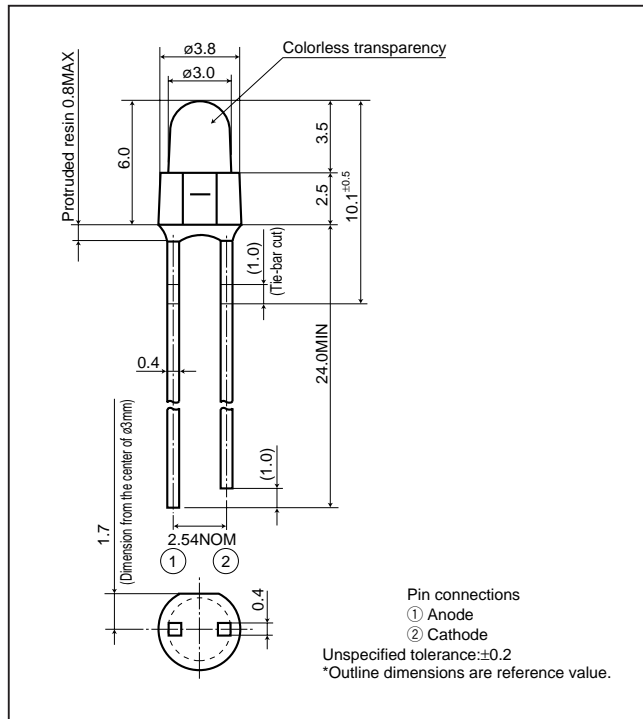


## GL3BC402B0SC/GL3GC402B0SC GL3BC402B0S1/GL3GC402B0S1

Viewing Angle: 40° (2θ1/2) ø3mm,  
Cylinder Type, Colorless Transparency  
High-luminosity LED Lamp for Indicators

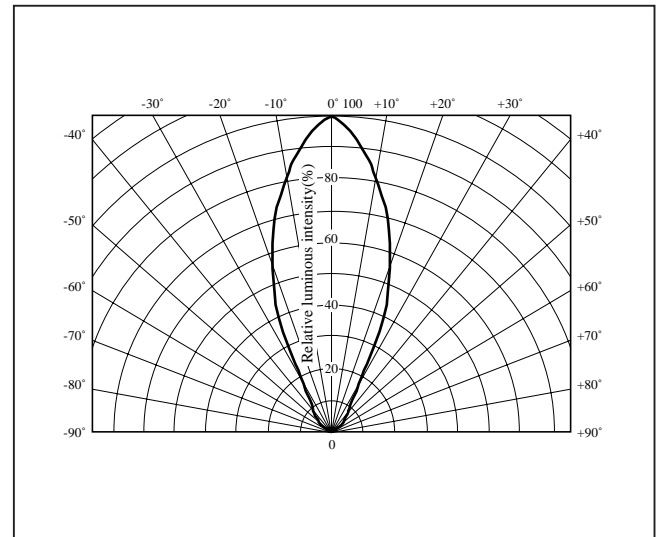
### ■ Outline Dimensions

(Unit : mm)



### ■ Directive Characteristics

(Ta=25°C)



### ■ Absolute Maximum Ratings

(Ta=25°C)

Model No.	Emitting color	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				
GL3BC402B0SC	Blue	InGaN	126	30	100	0.40	1.33	5	-20 to +80	-25 to +100	260
GL3GC402B0SC	Green	InGaN	126	30	100	0.40	1.33	5	-20 to +80	-25 to +100	260
GL3BC402B0S1	Blue	InGaN	132	30	100	0.40	1.33	5	-20 to +80	-25 to +100	260
GL3GC402B0S1	Green	InGaN	132	30	100	0.40	1.33	5	-20 to +80	-25 to +100	260

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

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

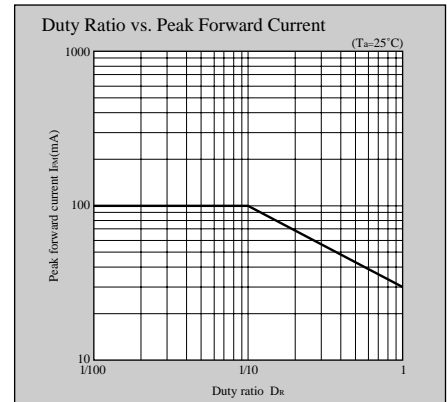
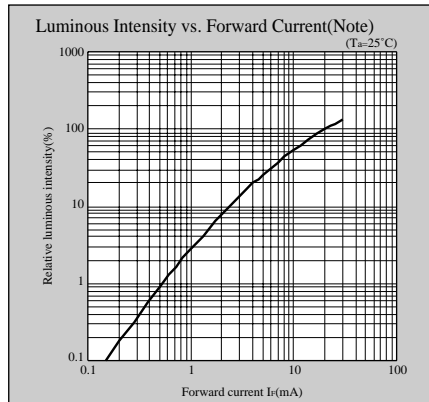
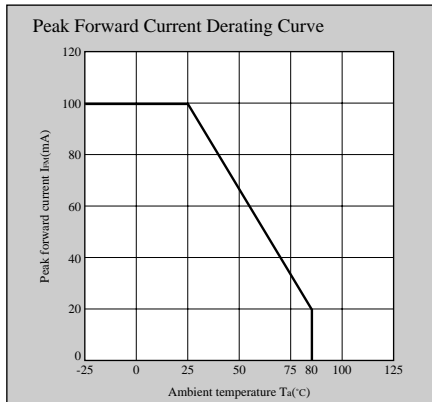
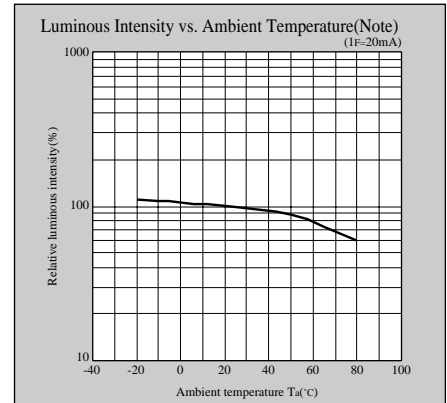
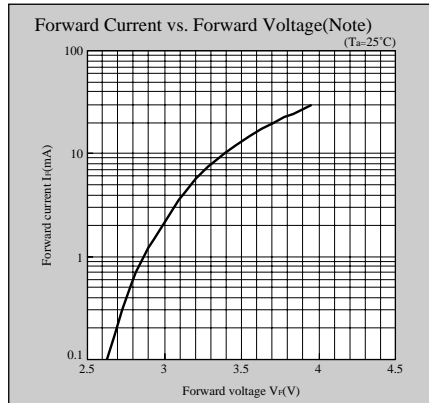
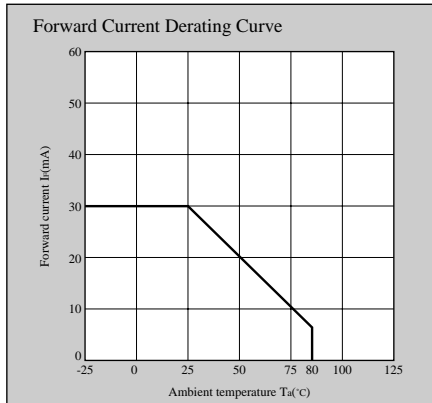
### ■ Electro-optical Characteristics

(IF=20mA, Ta=25°C)

Lens type	Model No.	Forward voltage VF(V)		Peak emission wavelength λp(nm) TYP	Dominant wavelength λd(nm) TYP	Luminous intensity Iv(mcd) TYP	Spectrum radiation bandwidth Δλ(nm) TYP	Reverse current IR(μA) MAX	VR (V)	Page for characteristics diagrams
		TYP	MAX							
Colorless transparency	GL3BC402B0SC	3.7	4.2	465	470	200	26	100	4	103
	GL3GC402B0SC	3.7	4.2	520	525	810	36	100	4	103
	GL3BC402B0S1	3.7	4.4	465	470	450	26	100	4	103
	GL3GC402B0S1	3.7	4.4	520	525	1800	36	100	4	103

# Characteristics Diagrams

GL3BC402B0S□/GL3GC402B0S□



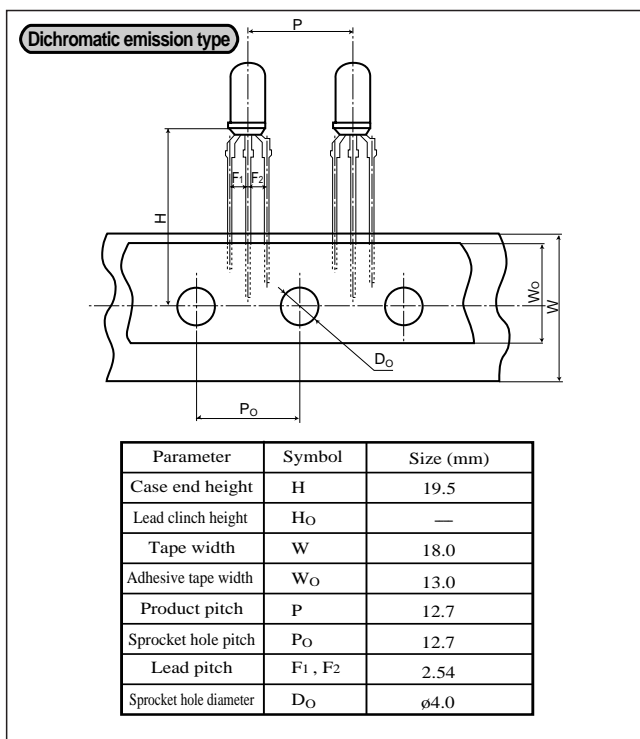
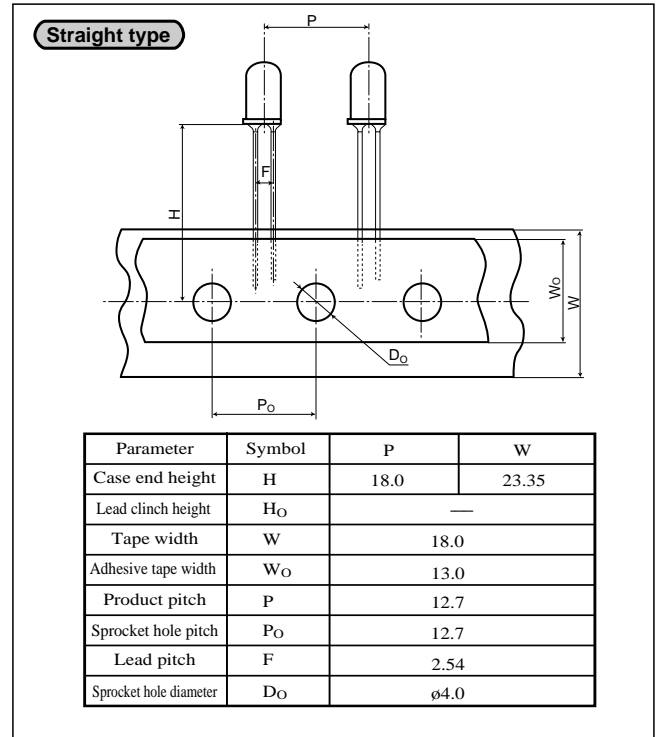
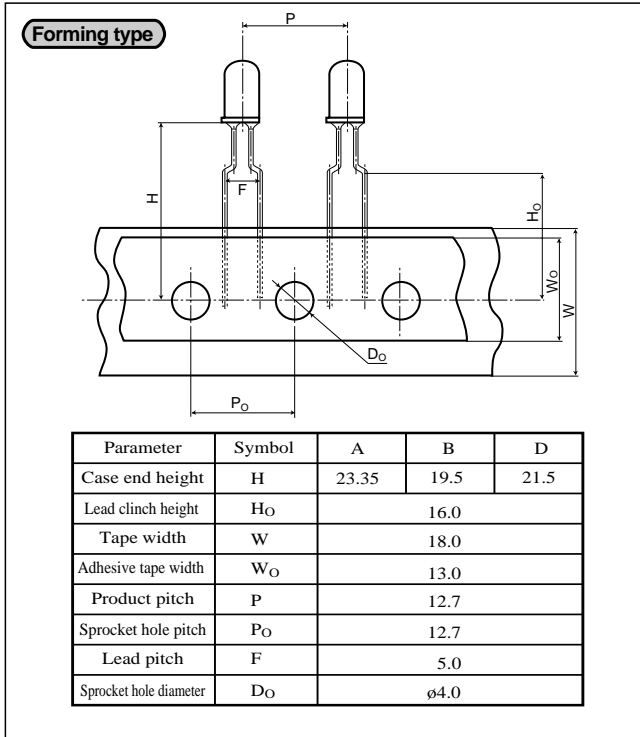
Note) Characteristics shown in diagrams are typical values. (not assurance value)

# 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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    - 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.
  - (iii) SHARP devices shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as:
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    - Telecommunication equipment [trunk lines]
    - Nuclear power control equipment
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