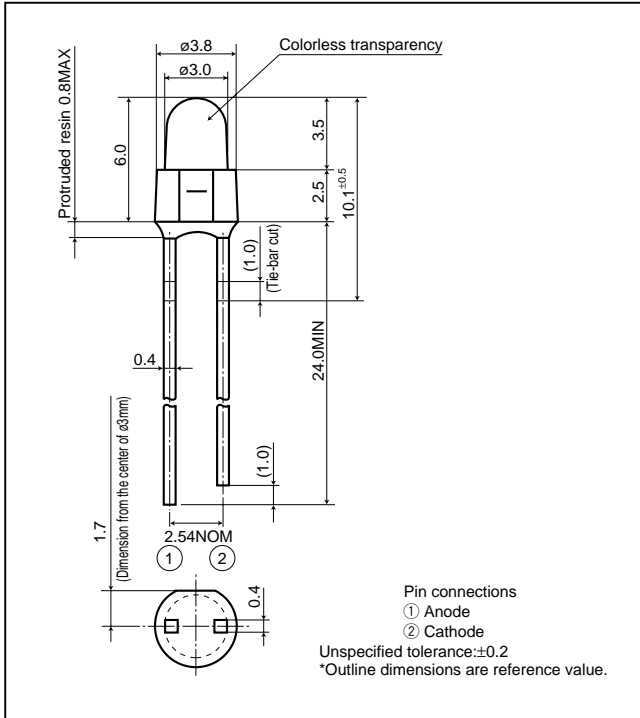


GL3BC402B0SC/GL3GC402B0SC

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

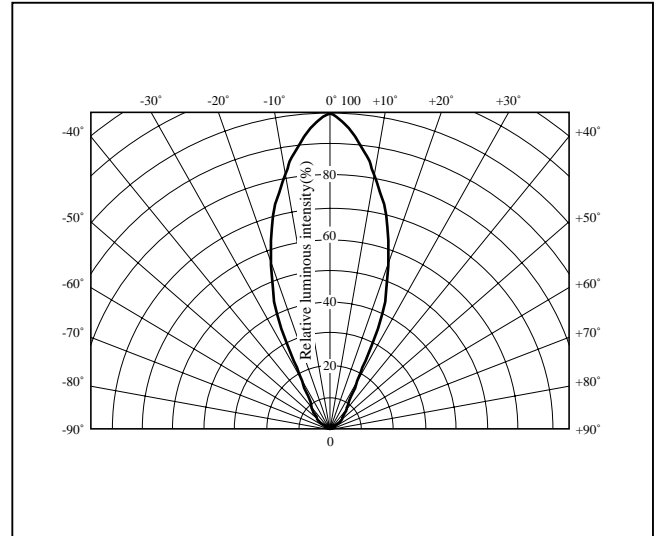
Outline Dimensions

(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

*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)

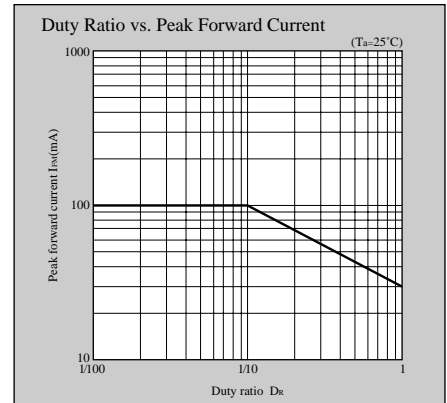
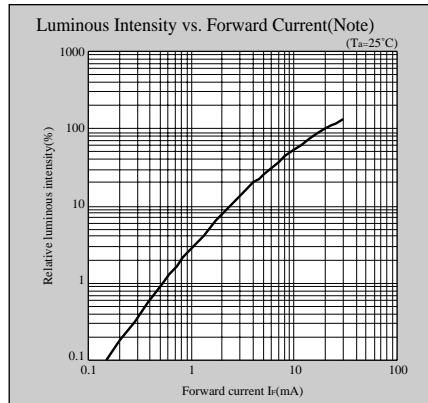
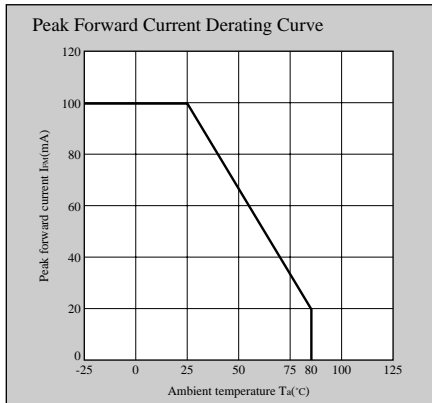
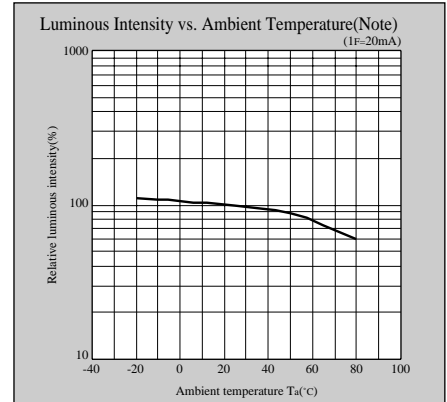
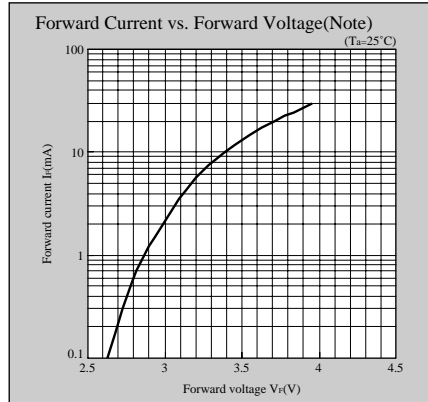
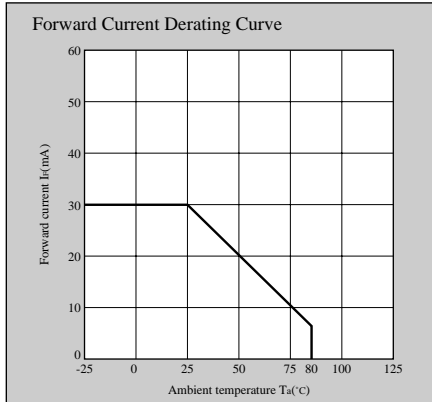
Electro-optical Characteristics

(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		Page for characteristics diagrams
		TYP	MAX					IR(μA) MAX	VR (V)	
Colorless transparency	GL3BC402B0SC	3.7	4.2	465	470	200	26	100	4	104
	GL3GC402B0SC	3.7	4.2	520	525	810	36	100	4	104

Characteristics Diagrams

GL3BC402B0SC/GL3GC402B0SC



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

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

(ii) Measures such as fail-safe function and redundant design should be taken to ensure reliability and safety when SHARP devices are used for or in connection with equipment that requires higher reliability such as:

- Transportation control and safety equipment (i.e., aircraft, trains, automobiles, etc.)
- 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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