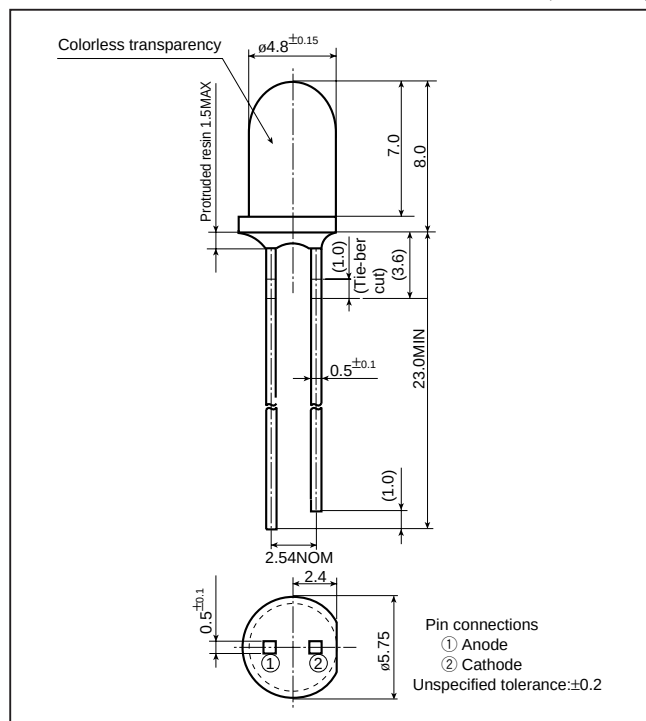


GL5B2302B0SC

Viewing Angle: 30° (2θ1/2) ø5mm,
Cylinder Type, Colorless
Transparency High-luminosity LED
Lamps for Outdoor Use

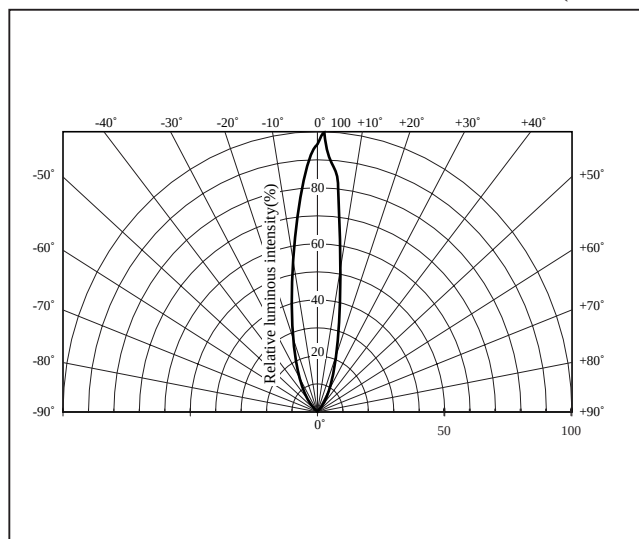
■ Outline Dimensions

(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				
GL5B2302B0SC	Blue	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)

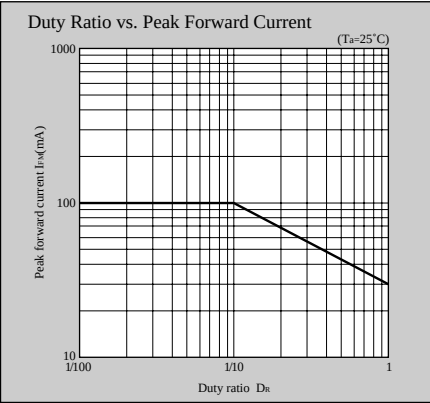
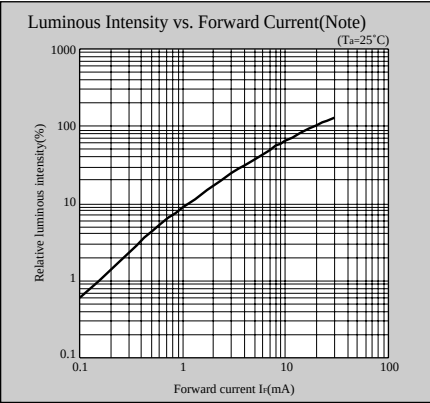
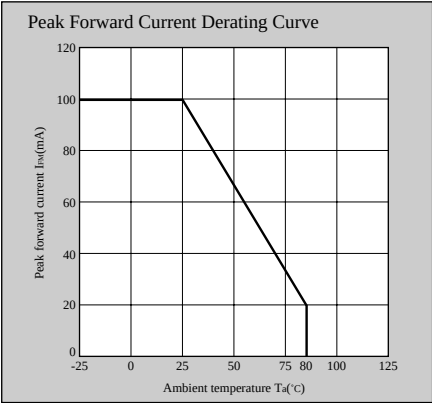
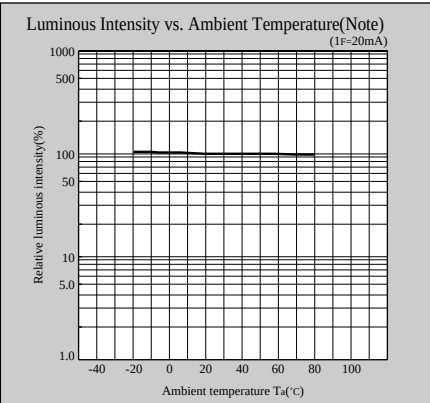
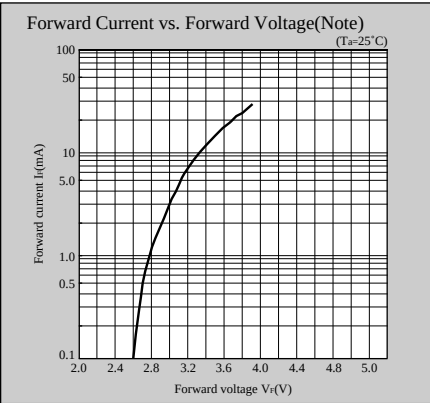
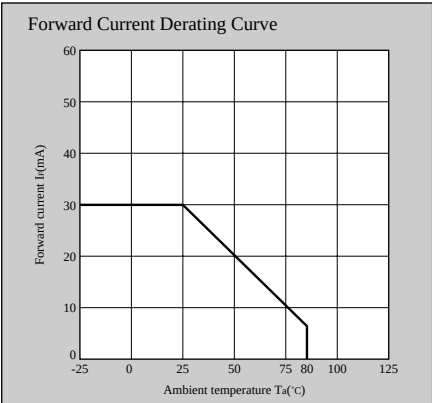
■ Electro-optical Characteristics

(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		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX					IR(μA) MAX	VR (V)	Ci(pF) TYP	(MHz)	
Colorless transparency	GL5B2302B0SC	3.6	4.2	465	470	1 200	26	100	4	50	1	104

Characteristics Diagrams

GL5B2302B0SC



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

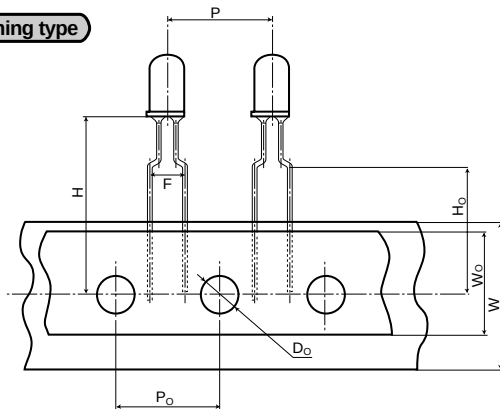
Taping Specifications

■ 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.

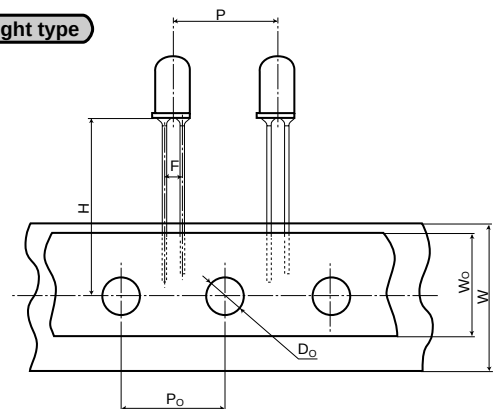
■ Taping specification(Unit : mm, TYP. value)

Forming type



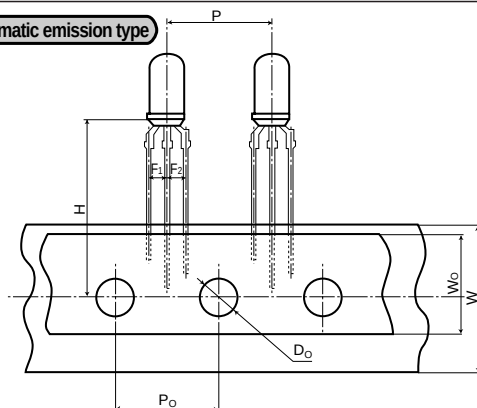
Parameter	Symbol	A	B	D
Case end height	H	23.35	19.5	21.5
Lead clinch height	H _O	16.0		
Tape width	W	18.0		
Adhesive tape width	W _O	13.0		
Product pitch	P	12.7		
Sprocket hole pitch	P _O	12.7		
Lead pitch	F	5.0		
Sprocket hole diameter	D _O	ø4.0		

Straight type



Parameter	Symbol	p	W
Case end height	H	18.0	23.35
Lead clinch height	H _O	—	
Tape width	W	18.0	
Adhesive tape width	W _O	13.0	
Product pitch	P	12.7	
Sprocket hole pitch	P _O	12.7	
Lead pitch	F	2.54	
Sprocket hole diameter	D _O	ø4.0	

Dichromatic emission type



Parameter	Symbol	Size (mm)
Case end height	H	19.5
Lead clinch height	H _O	—
Tape width	W	18.0
Adhesive tape width	W _O	13.0
Product pitch	P	12.7
Sprocket hole pitch	P _O	12.7
Lead pitch	F1, F2	2.54
Sprocket hole diameter	D _O	ø4.0

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 - Industrial control
 - Audio visual equipment
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 - Traffic signals
 - Gas leakage sensor breakers
 - Alarm equipment
 - Various safety devices, etc.
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