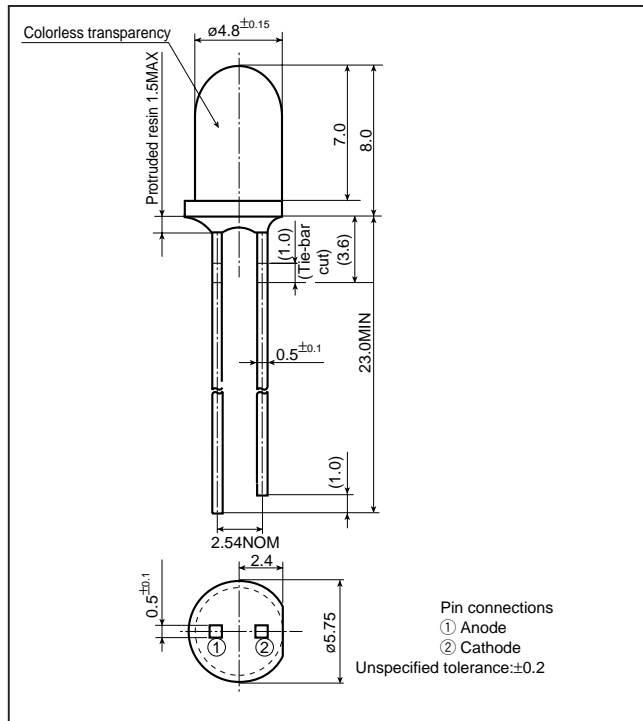


GL5J□302B0SE series

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

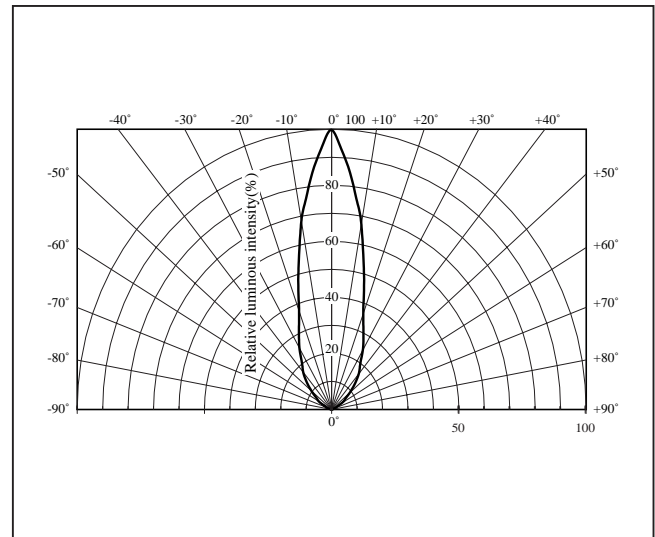
Outline Dimensions

(Unit : mm)



Directive Characteristics

($T_a=25^\circ\text{C}$)



Absolute Maximum Ratings

($T_a=25^\circ\text{C}$)

Model No.	Emitting color	Material	Power dissipation P (mW)	Forward current I_F (mA)	Peak forward current I_{FM}^{*1} (mA)	Derating factor (mA/°C)		Reverse voltage V_R (V)	Operating temperature T_{opr} (°C)	Storage temperature T_{stg} (°C)	Soldering temperature T_{sol}^{*2} (°C)
						DC	Pulse				
GL5JJ302B0SE	Orange	AlGaInP on GaAs	78	30	50	0.40	0.67	5	-40 to +85	-40 to +100	260
GL5JS302B0SE	Sunset orange	AlGaInP on GaAs	78	30	50	0.40	0.67	5	-40 to +85	-40 to +100	260
GL5JV302B0SE	Amber	AlGaInP on GaAs	78	30	50	0.40	0.67	5	-40 to +85	-40 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)

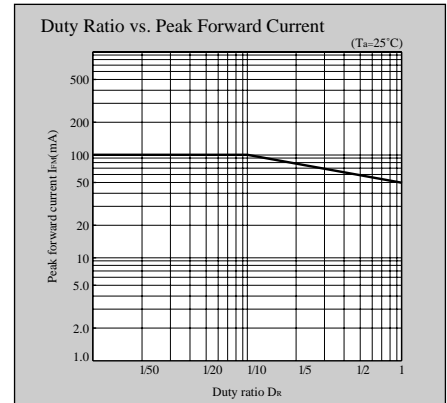
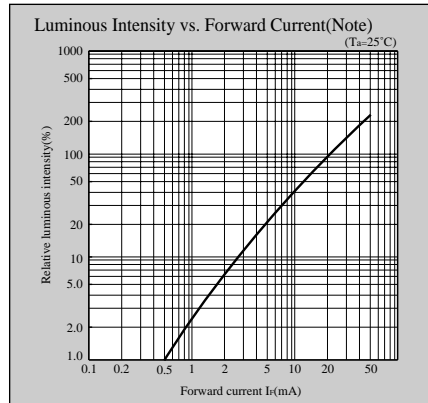
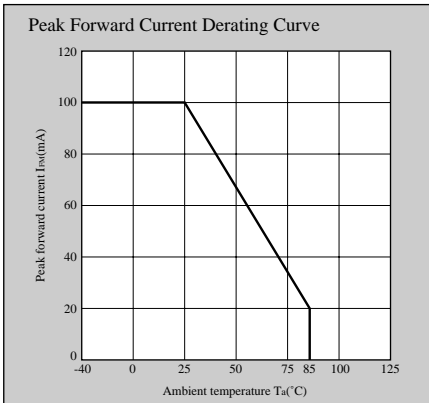
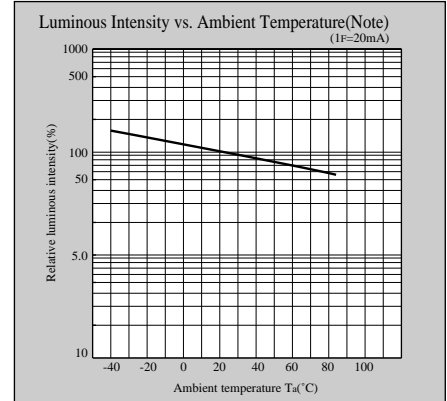
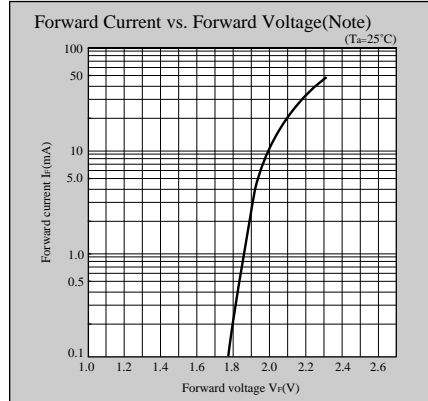
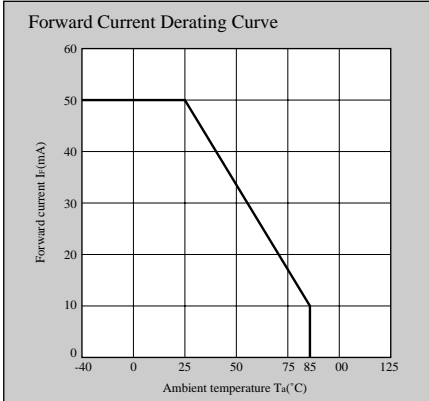
Electro-optical Characteristics

($I_F=20\text{mA}, T_a=25^\circ\text{C}$)

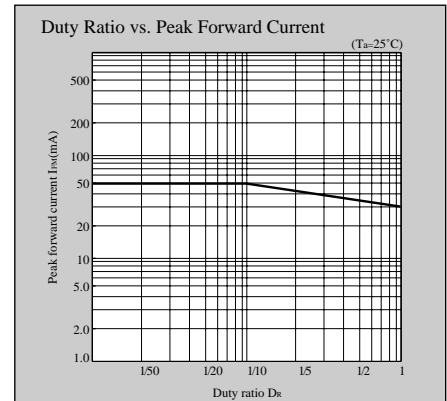
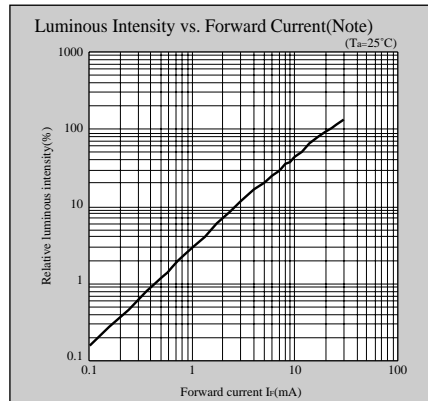
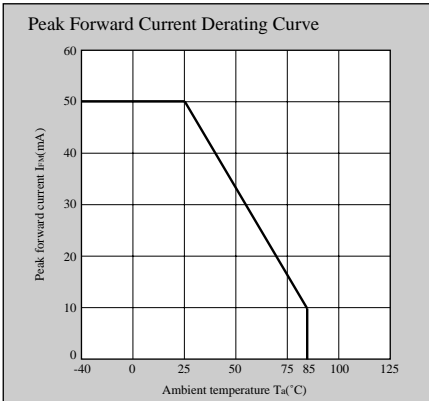
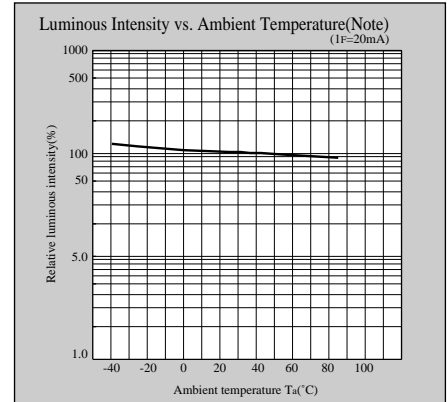
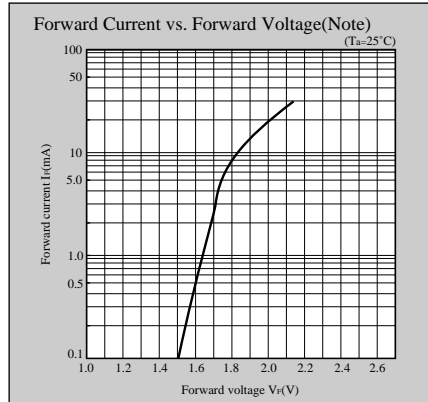
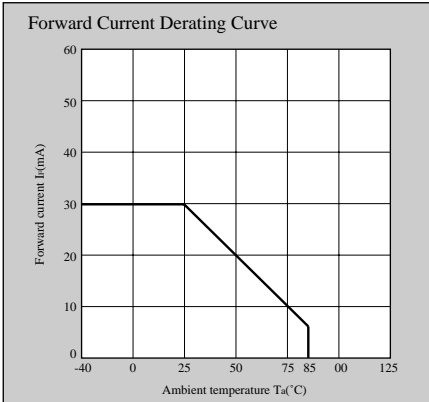
Lens type	Model No.	Forward voltage V_F (V)		Peak emission wavelength λ_p (nm) TYP	Dominant wavelength λ_d (nm) TYP	Luminous intensity I_v (mcd) TYP	Spectrum radiation bandwidth $\Delta\lambda$ (nm) TYP	Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX					I_R (μA) MAX	V_R (V)	C_t (pF) TYP	(MHz)	
Colorless transparency	GL5JJ302B0SE	2.0	2.6	627	618	570	15	100	4	30	1	97
	GL5JS302B0SE	2.0	2.6	609	605	680	15	100	4	30	1	98
	GL5JV302B0SE	2.0	2.6	591	588	640	15	100	4	30	1	98

Characteristics Diagrams

ZG series



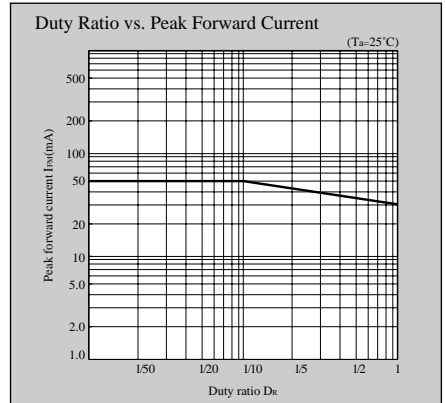
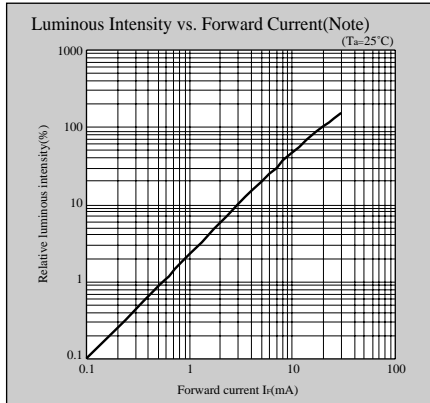
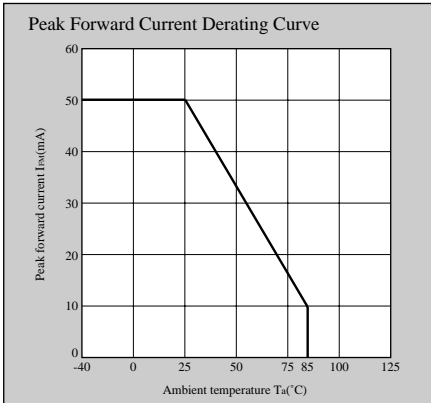
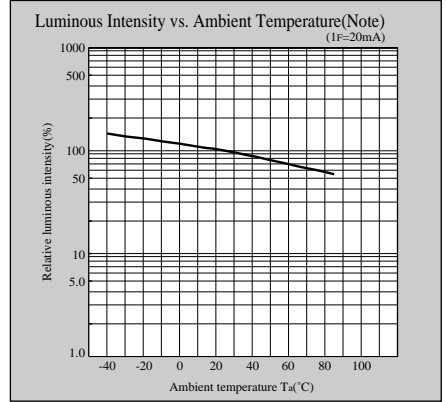
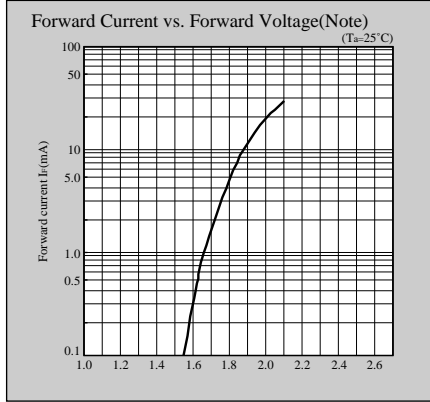
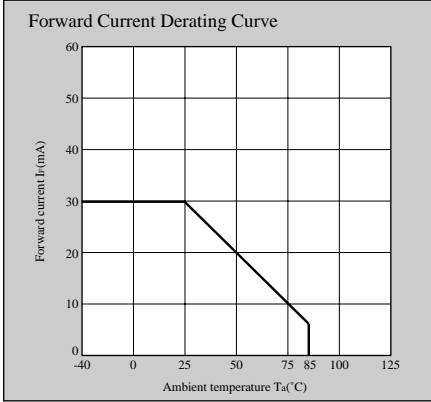
JJ series



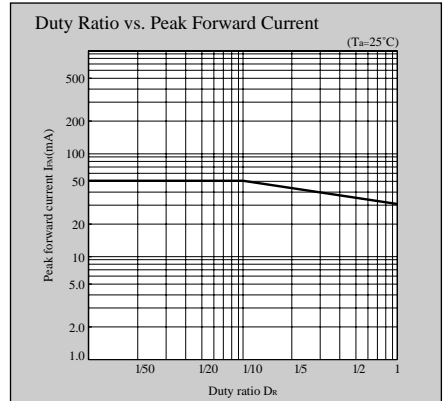
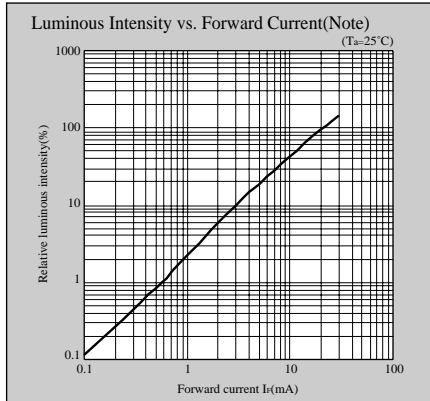
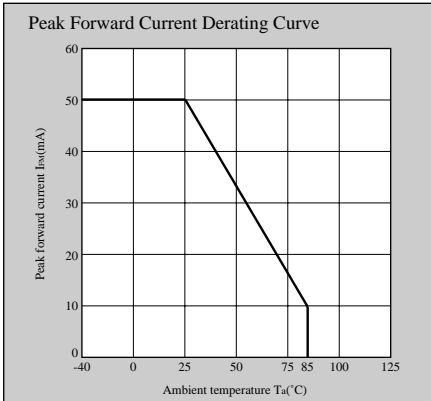
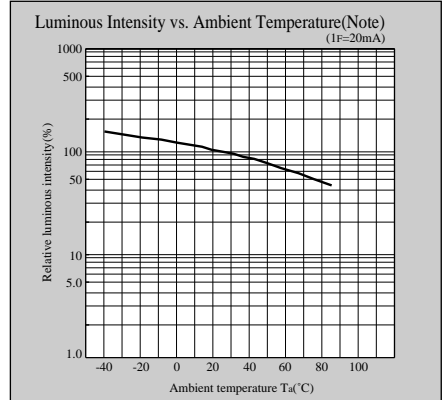
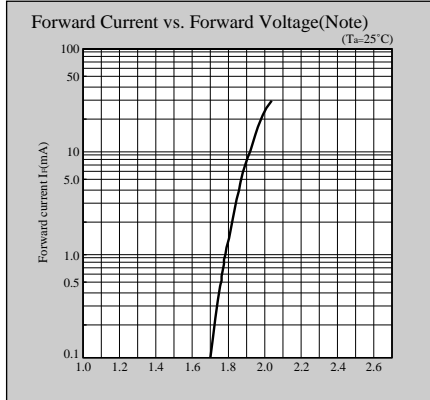
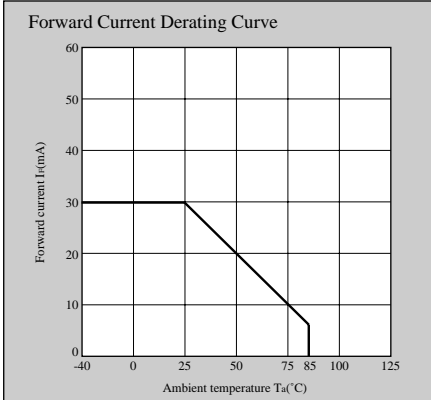
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

JS series



JV series



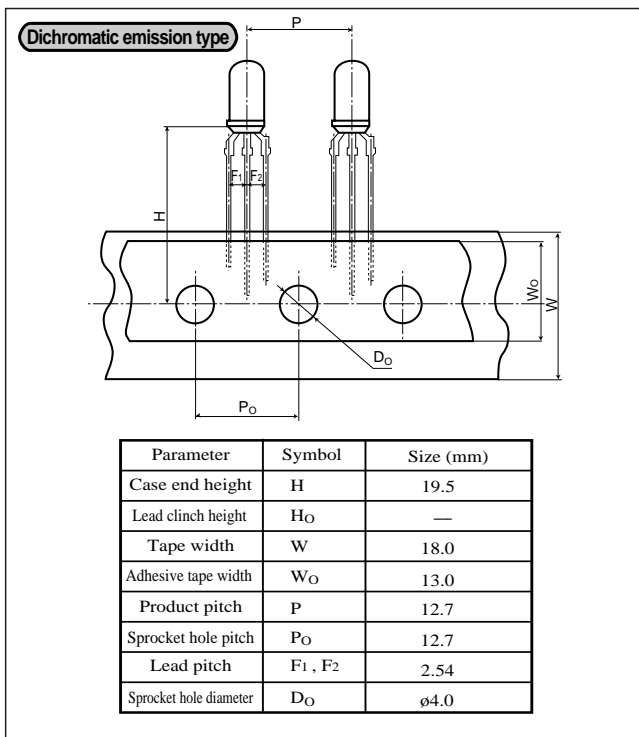
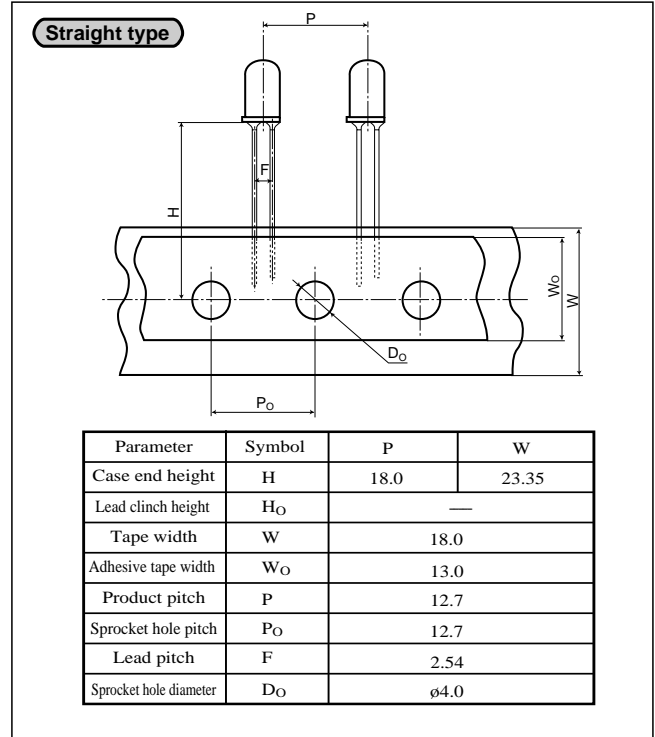
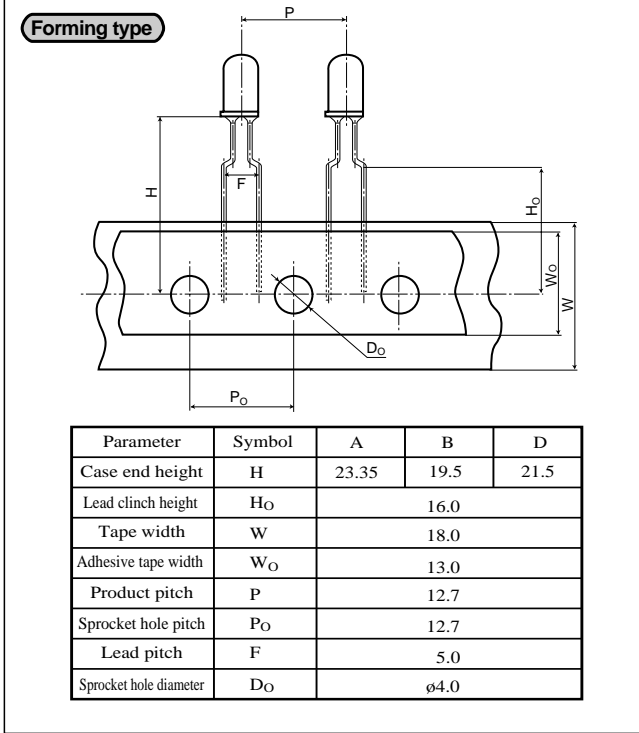
Note) Characteristics shown in diagrams are typical values. (not assurance value)

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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 - 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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