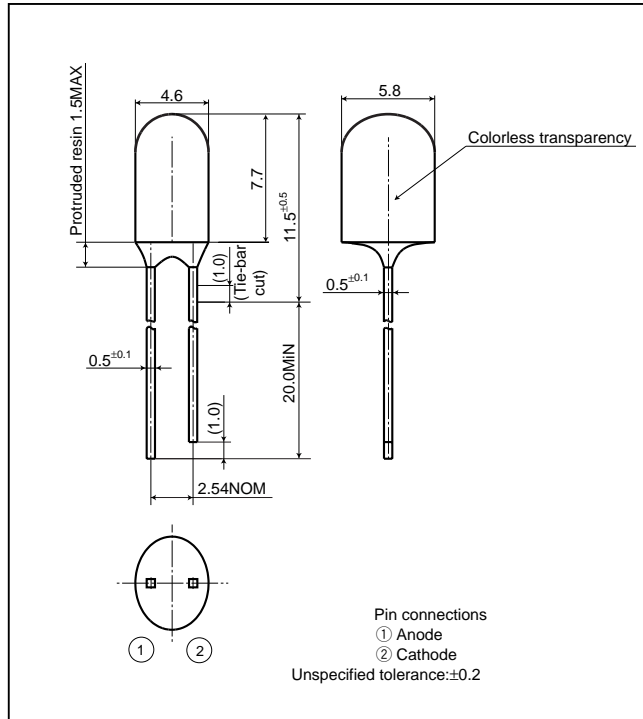


GL5J□7D2D0SE series

Viewing Angle: Horizontal 70°/Vertical 30°(2θ1/2)
 ø5mm, Oval Type, Colorless Transparency
 High-luminosity LED Lamps for Outdoor Use

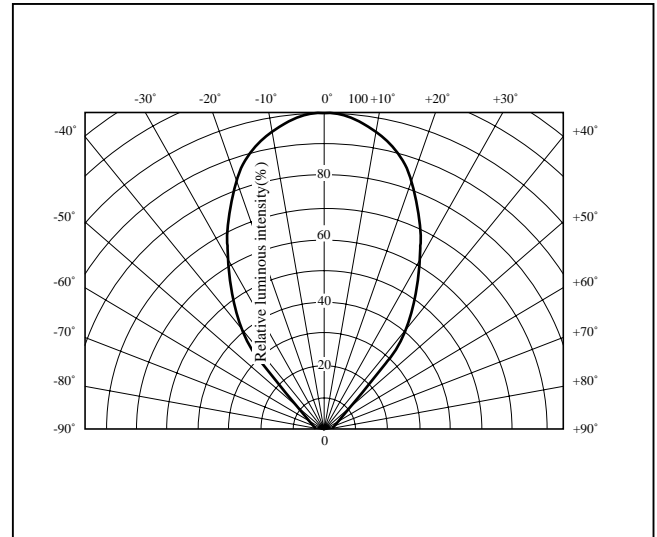
Outline Dimensions

(Unit : mm)



Directive Characteristics(Horizontal direction)

(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 T _{opr} (°C)	Storage temperature T _{stg} (°C)	Soldering temperature T _{sol} *2 (°C)
						DC	Pulse				
GL5JJ7D2D0SE	Orange	AlGaInP on GaAs	78	30	50	0.40	0.67	5	-40 to +85	-40 to +100	260
GL5JS7D2D0SE	Sunset orange	AlGaInP on GaAs	78	30	50	0.40	0.67	5	-40 to +85	-40 to +100	260
GL5JV7D2D0SE	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)

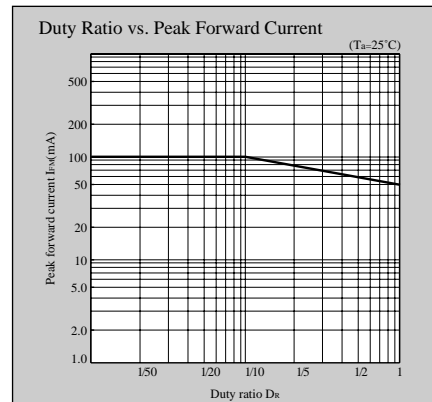
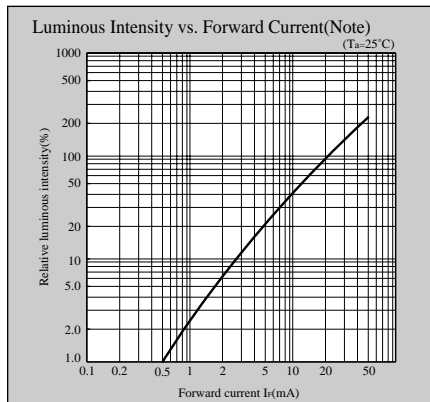
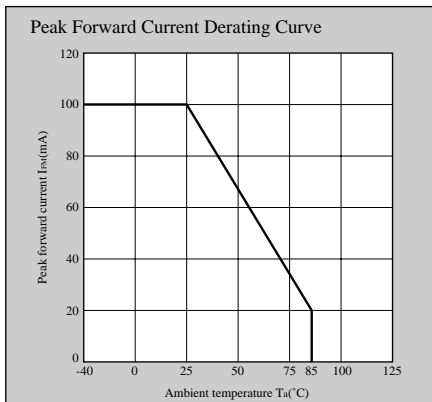
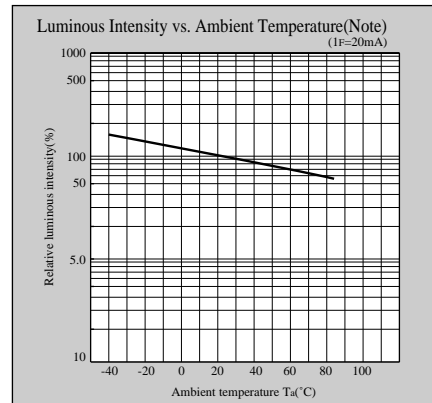
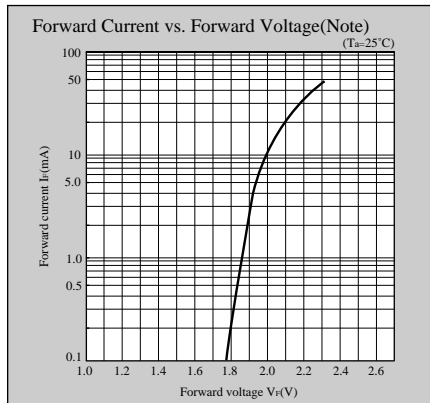
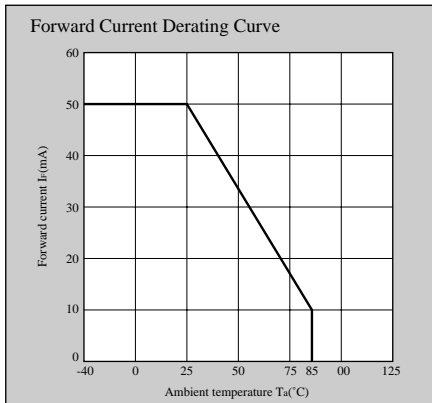
Electro-optical Characteristics

(IF=20mA, Ta=25°C)

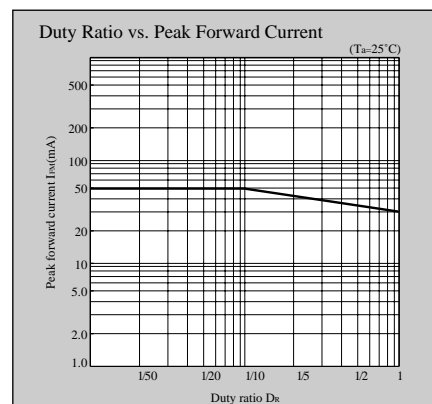
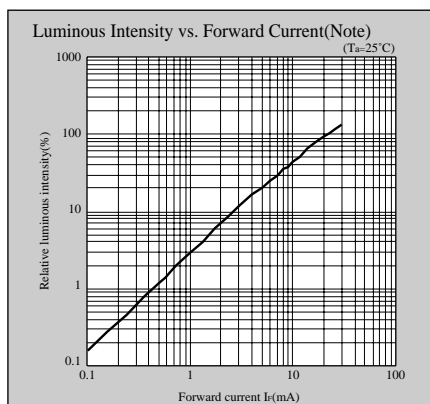
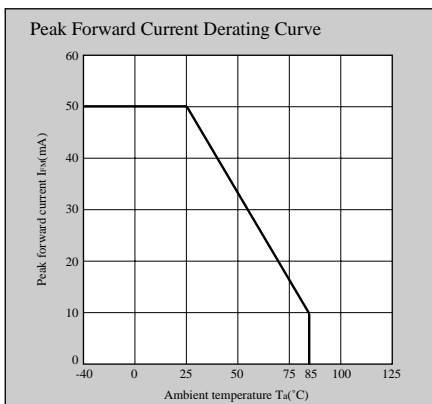
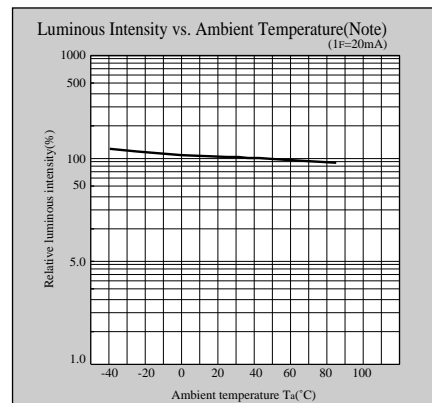
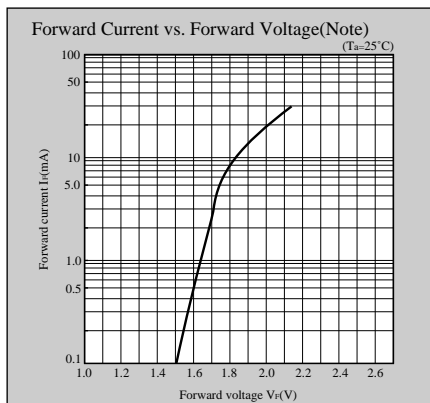
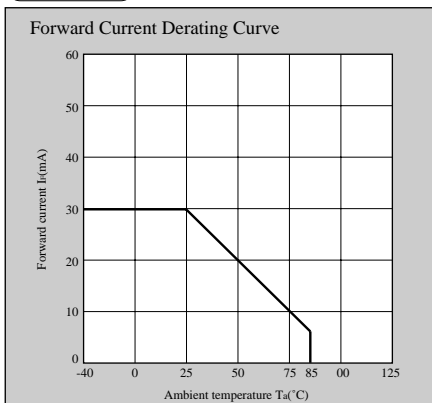
Lens type	Model No.	Forward voltage VF(V)		Peak emission wavelength λp(nm) TYP	Dominant wavelength λd(nm) TYP	Luminous intensity Iv(mcd) TYP	Spectrum radiation bandwidth Δλ(nm) TYP	Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX					IR(μA) MAX	VR(V)	Ct(pF) TYP	(MHz)	
Colorless transparency	GL5JJ7D2D0SE	2.0	2.6	627	618	190	15	100	4	30	1	97
	GL5JS7D2D0SE	2.0	2.6	609	605	230	15	100	4	30	1	98
	GL5JV7D2D0SE	2.0	2.6	591	588	210	15	100	4	30	1	98

Characteristics Diagrams

ZG series



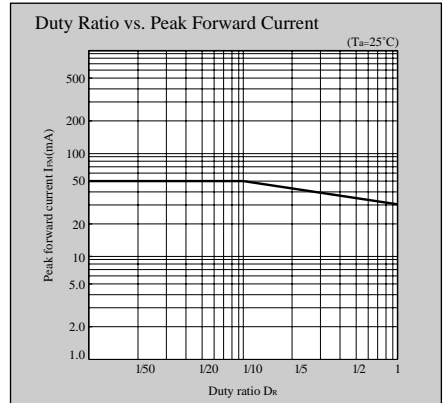
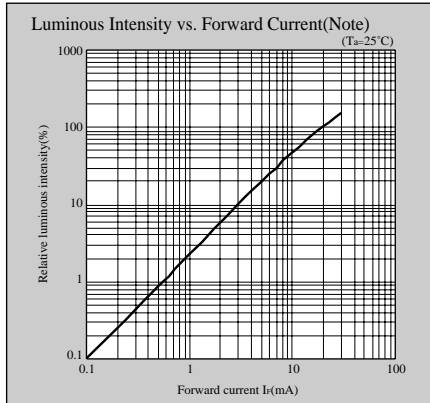
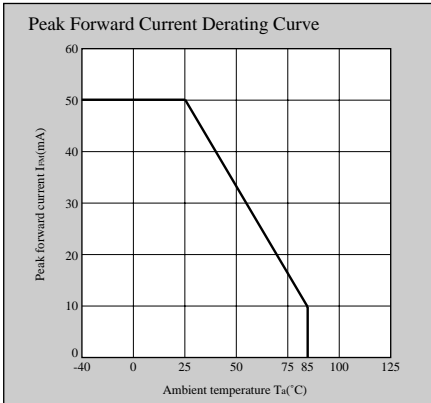
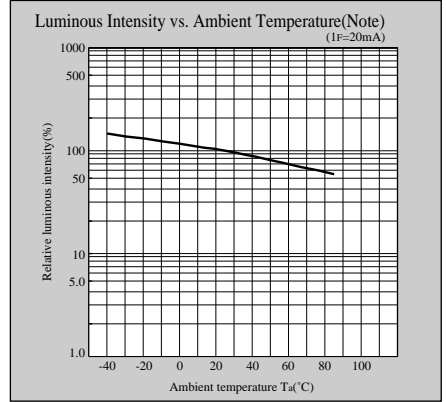
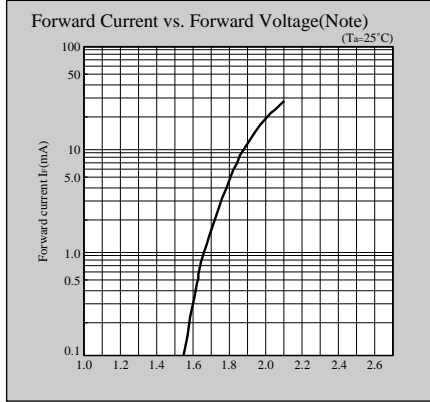
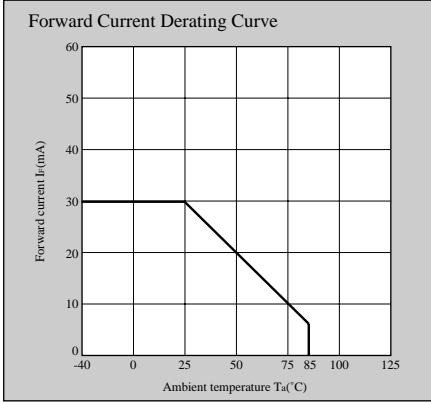
JJ series



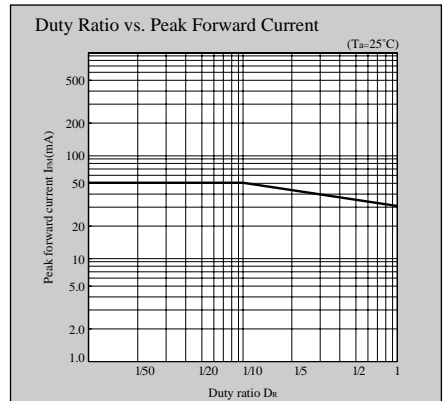
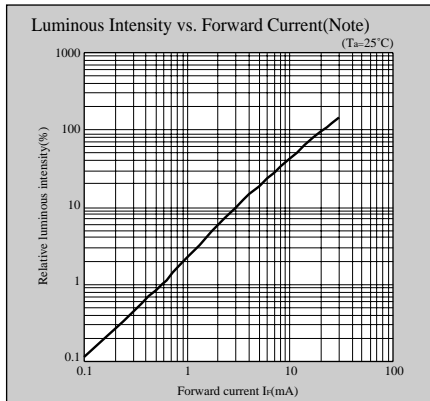
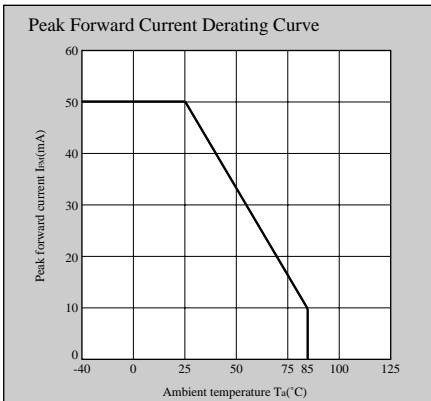
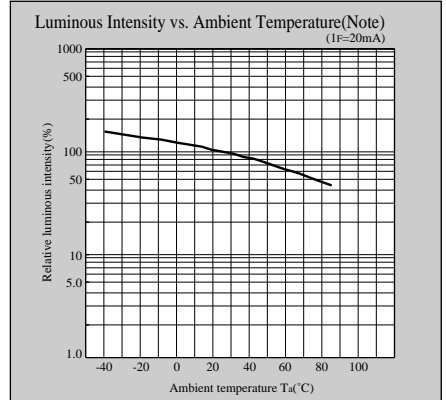
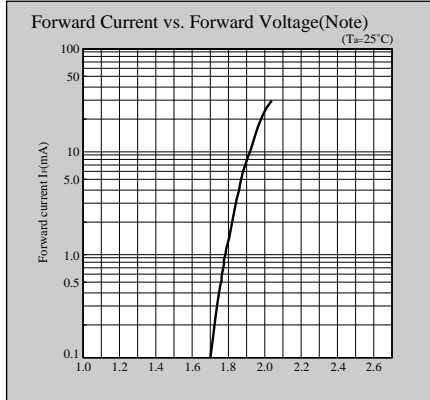
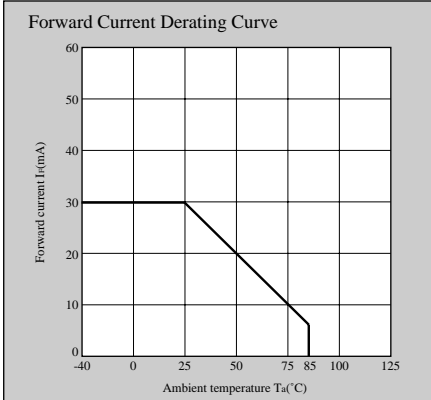
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

JS series



JV series



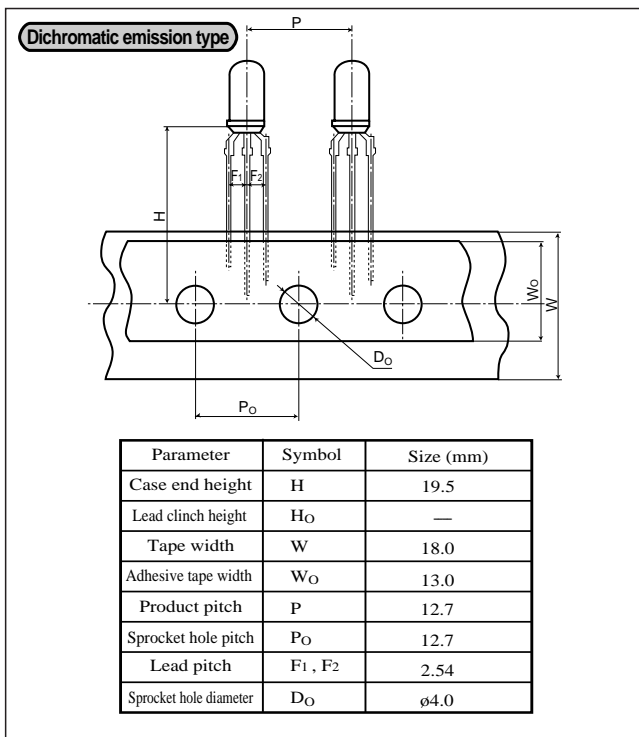
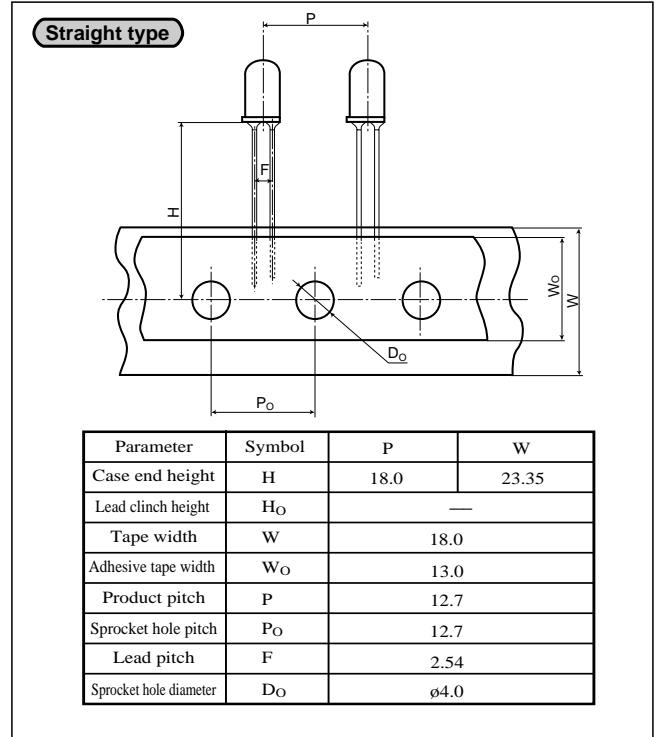
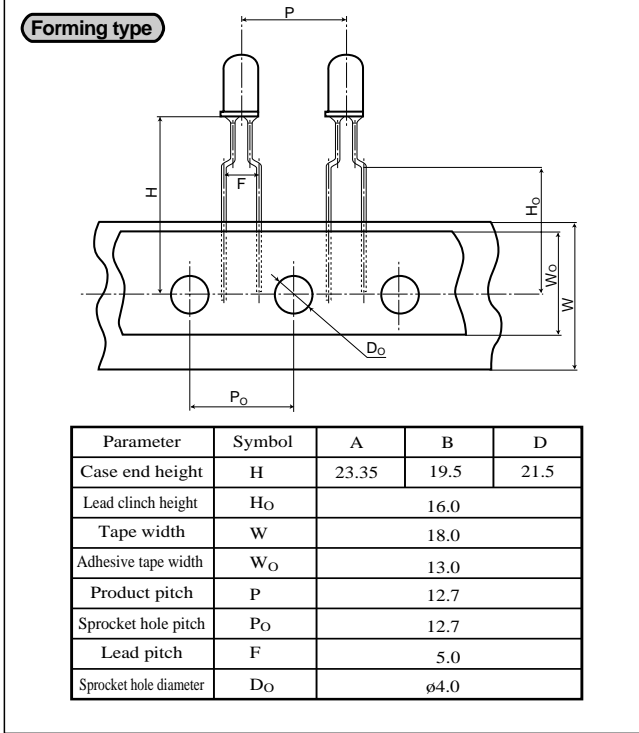
Note) Characteristics shown in diagrams are typical values. (not assurance value)

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