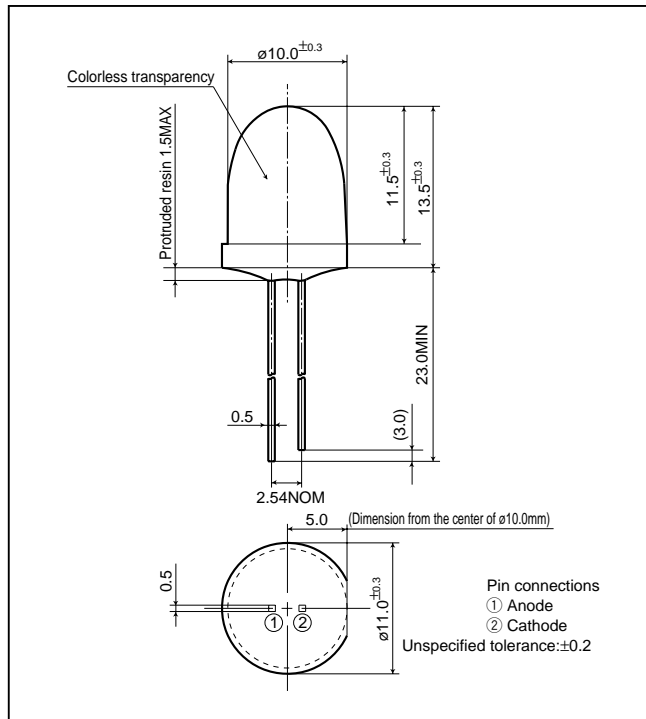


GL0Z□042B0S series

Viewing Angle: 4° (2θ1/2) ø10mm,
Cylinder Type, Colorless
Transparency Super-luminosity
LED Lamps for Outdoor Use

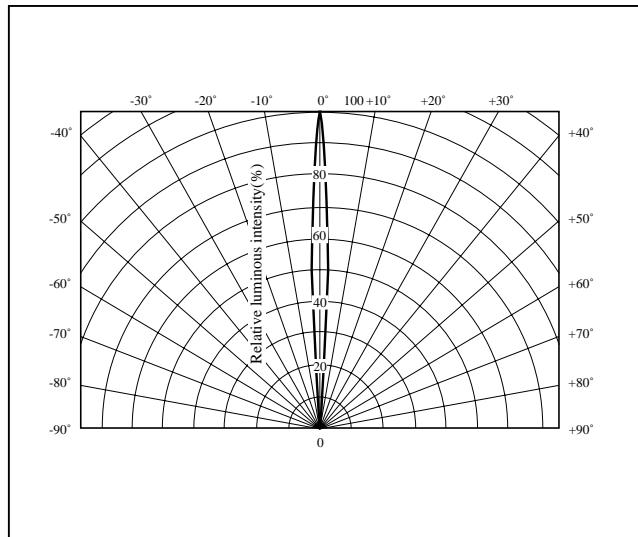
■ Outline Dimensions

(Unit : mm)



■ Directive Characteristics

(T_a=25°C)



■ Absolute Maximum Ratings

(T_a=25°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				
GL0ZJ042B0S	Orange	AlGaInP on GaAs	130	50	100	0.67	1.33	5	-40 to +85	-40 to +100	260
GL0ZS042B0S	Sunset orange	AlGaInP on GaAs	130	50	100	0.67	1.33	5	-40 to +85	-40 to +100	260
GL0ZV042B0S	Amber	AlGaInP on GaAs	130	50	100	0.67	1.33	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)

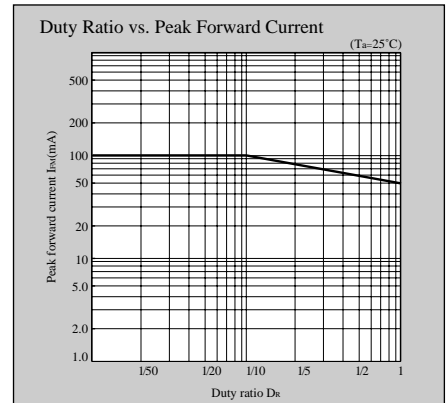
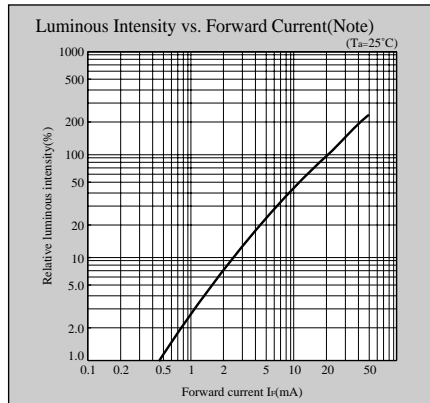
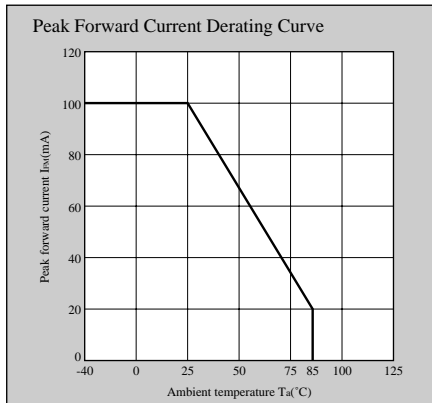
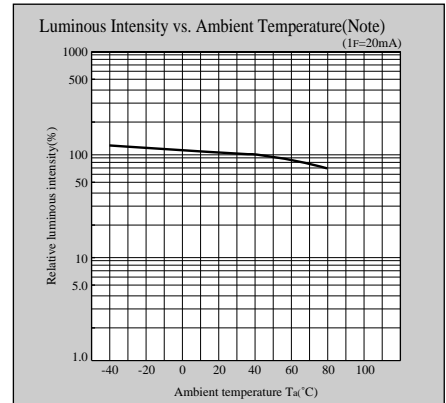
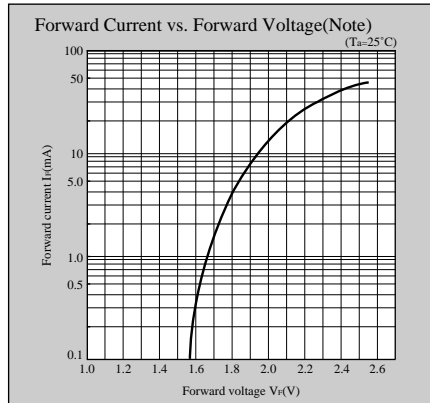
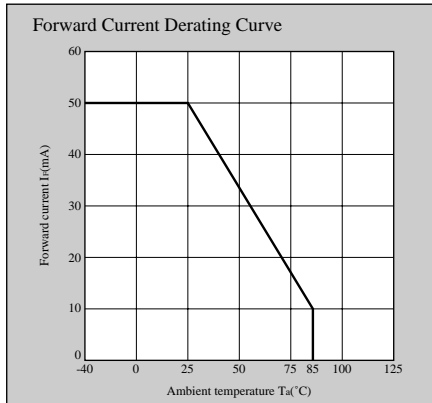
■ Electro-optical Characteristics

(I_F=20mA, T_a=25°C)

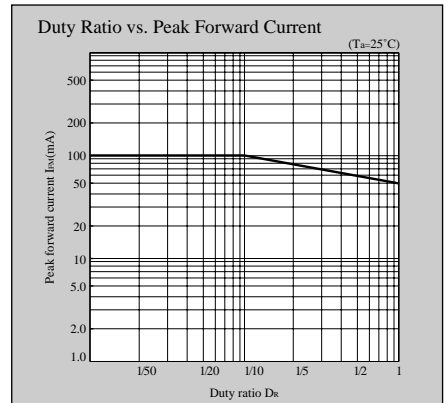
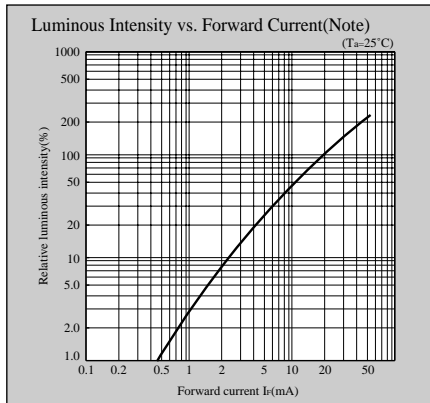
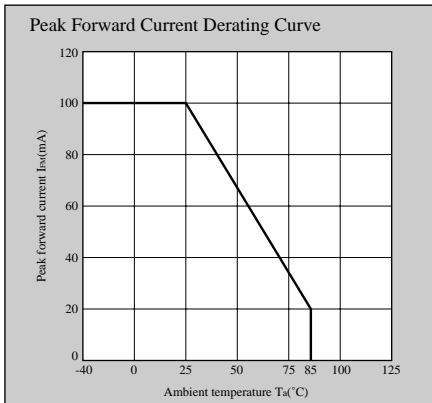
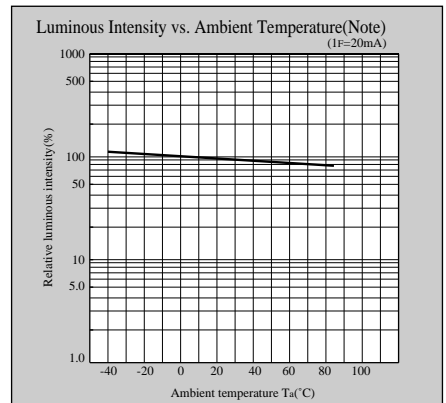
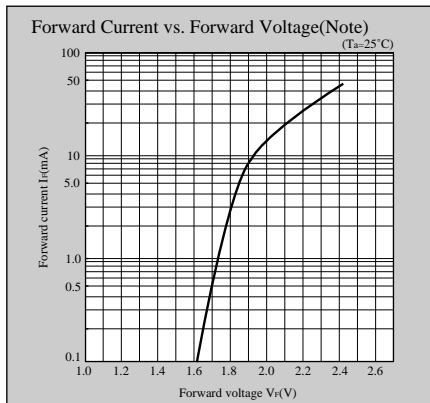
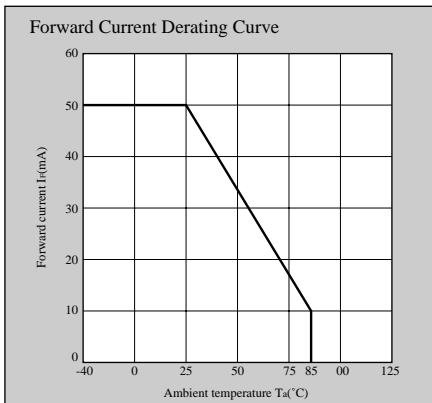
Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength λ _p (nm) TYP	Dominant wavelength λ _d (nm) TYP	Luminous intensity I _v (mcd) TYP	Spectrum radiation bandwidth Δλ(nm) TYP	Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX					I _R (μA) MAX	V _R (V)	C _t (pF) TYP	(MHz)	
Colorless transparency	GL0ZJ042B0S	2.1	2.6	627	618	18 500	15	100	4	60	1	94
	GL0ZS042B0S	2.1	2.6	609	605	22 600	15	100	4	60	1	95
	GL0ZV042B0S	2.1	2.6	591	588	16 900	15	100	4	60	1	96

Characteristics Diagrams

ZR series



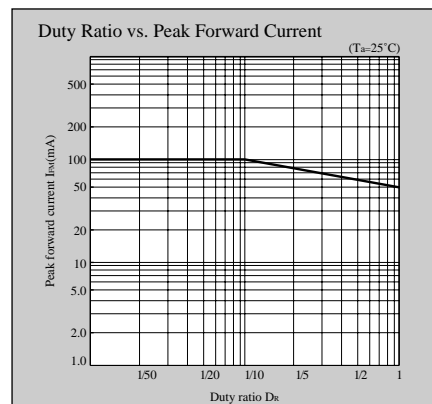
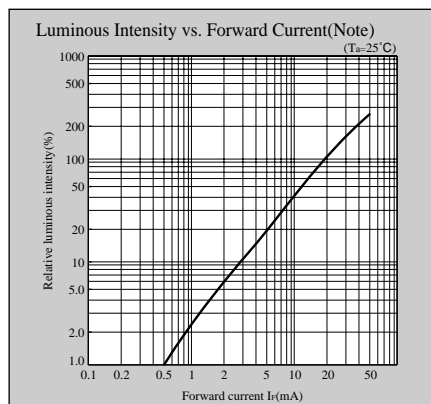
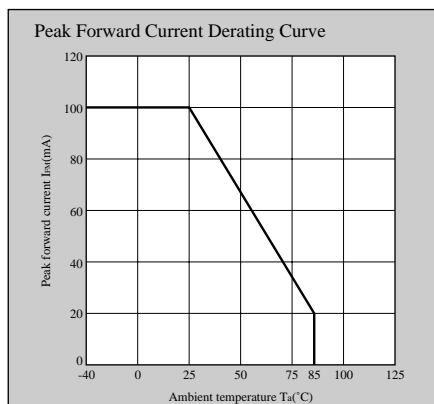
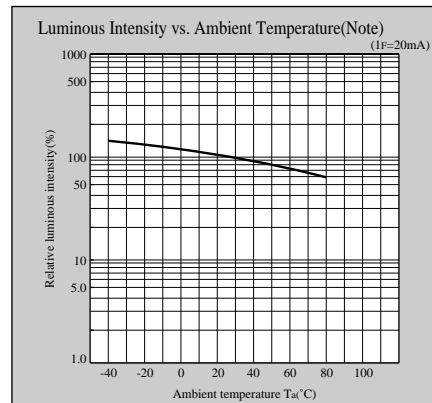
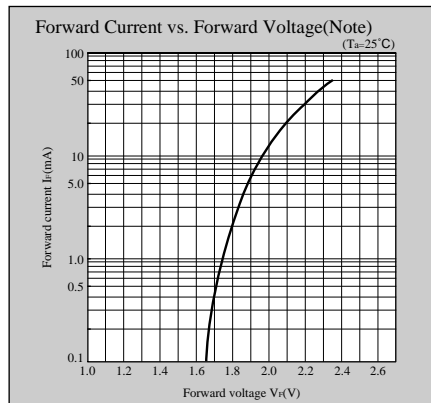
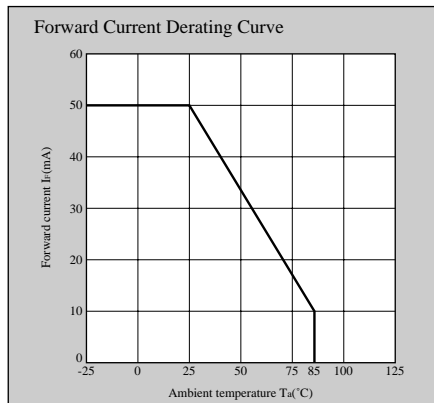
ZJ series



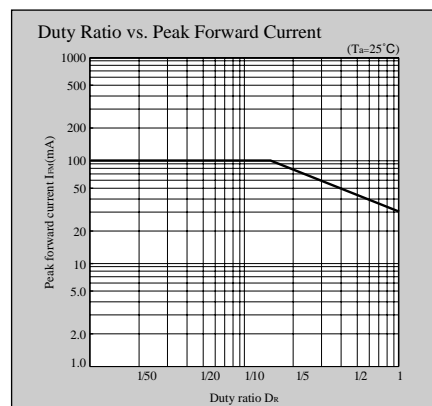
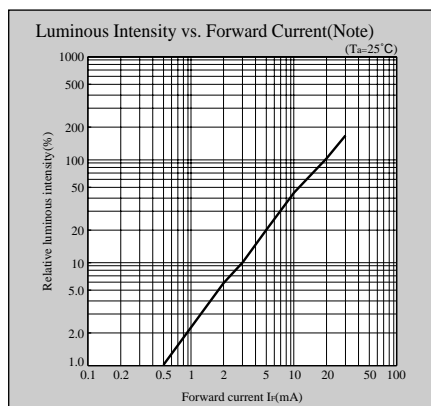
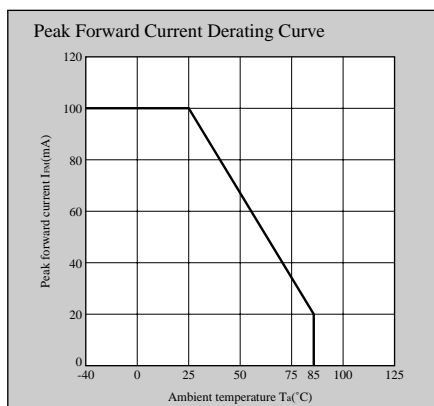
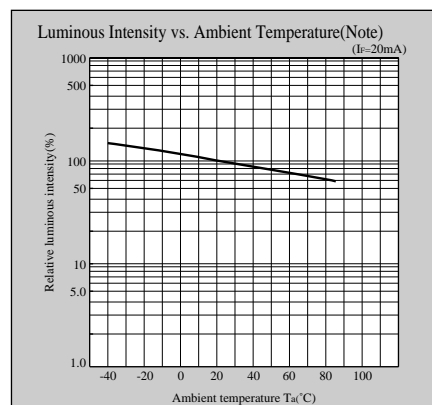
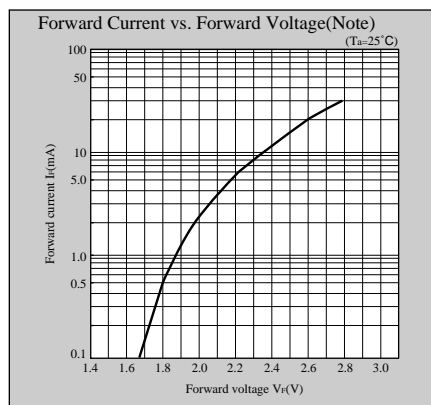
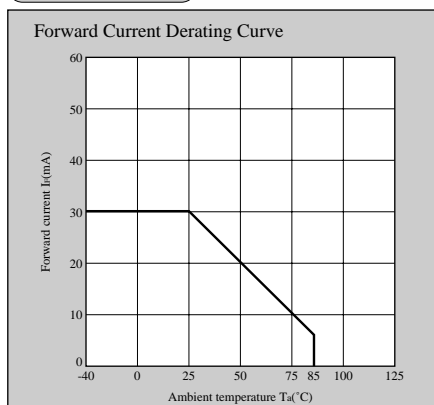
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

ZS series



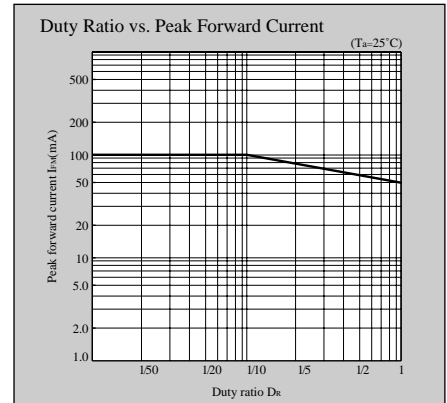
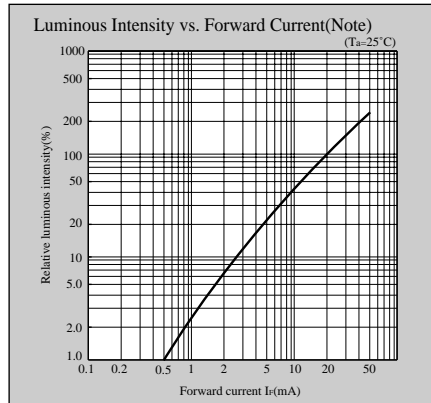
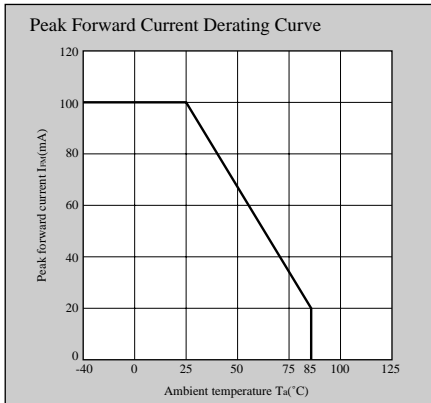
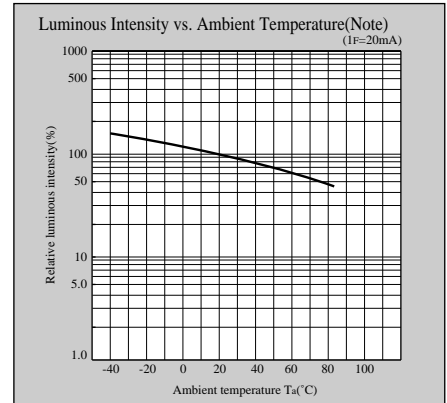
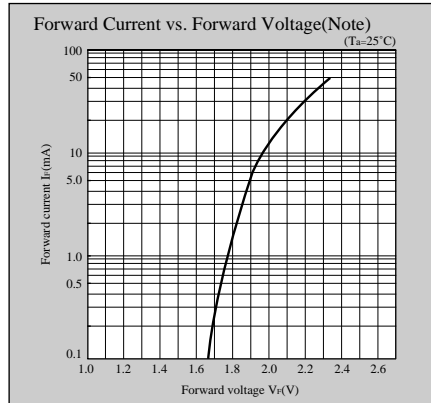
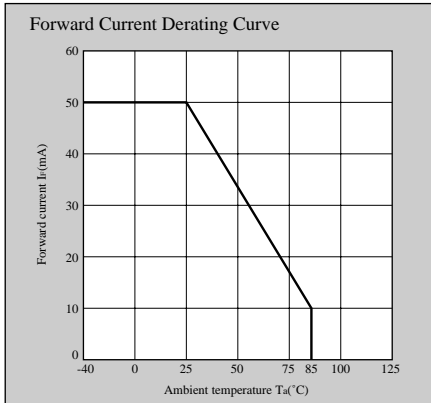
GL5XS022BOS



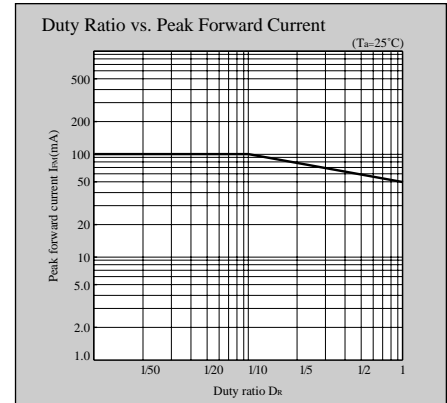
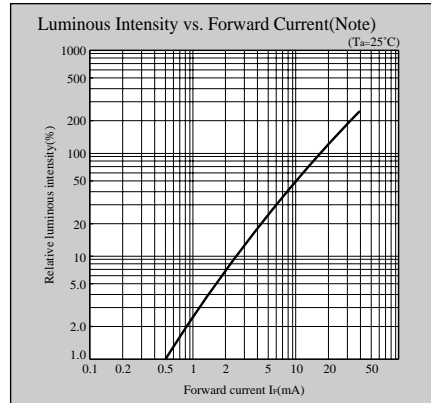
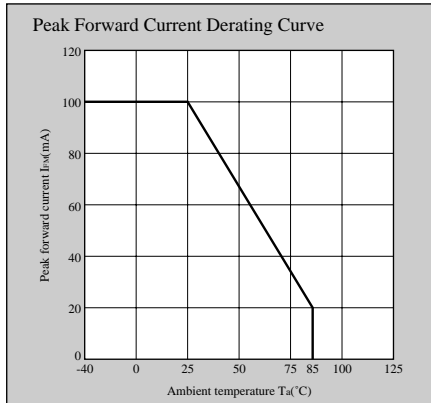
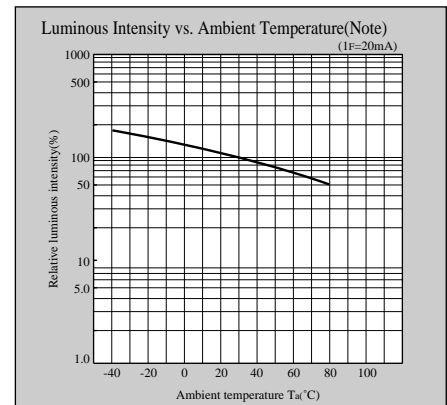
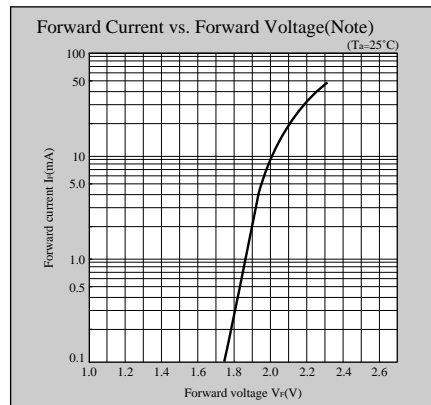
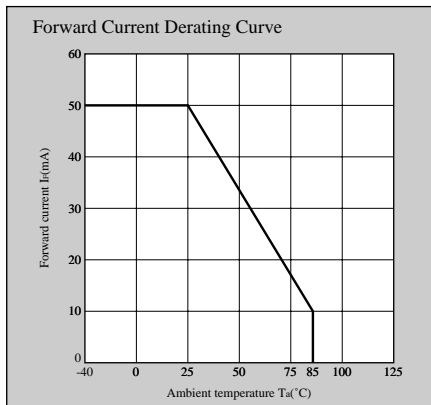
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

ZV series



ZE series



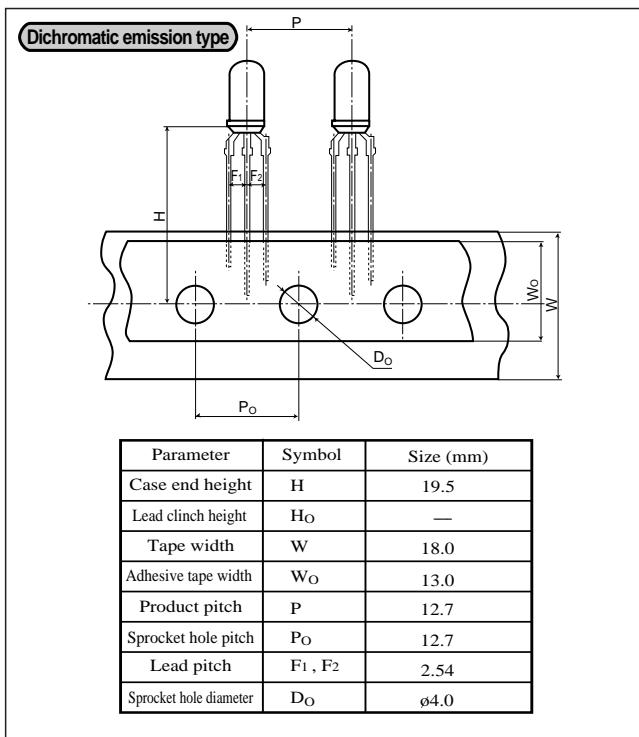
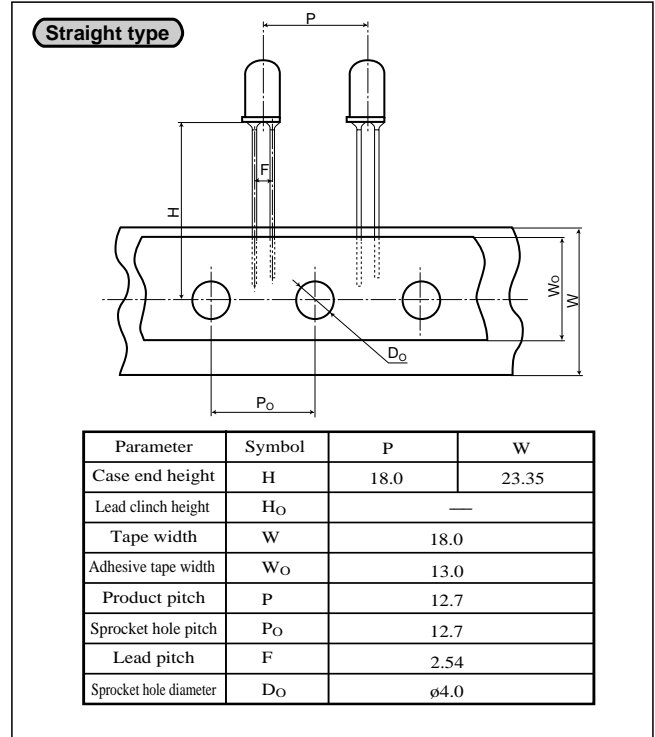
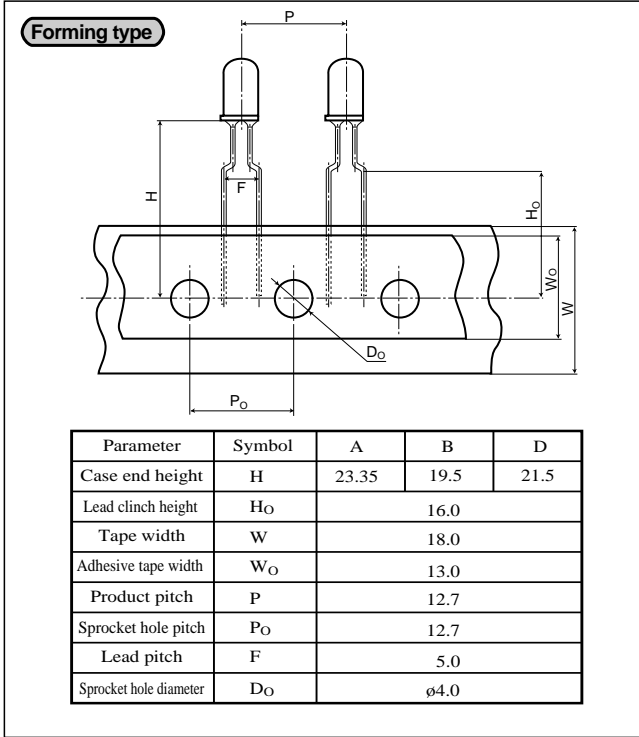
Note) Characteristics shown in diagrams are typical values. (not assurance value)

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