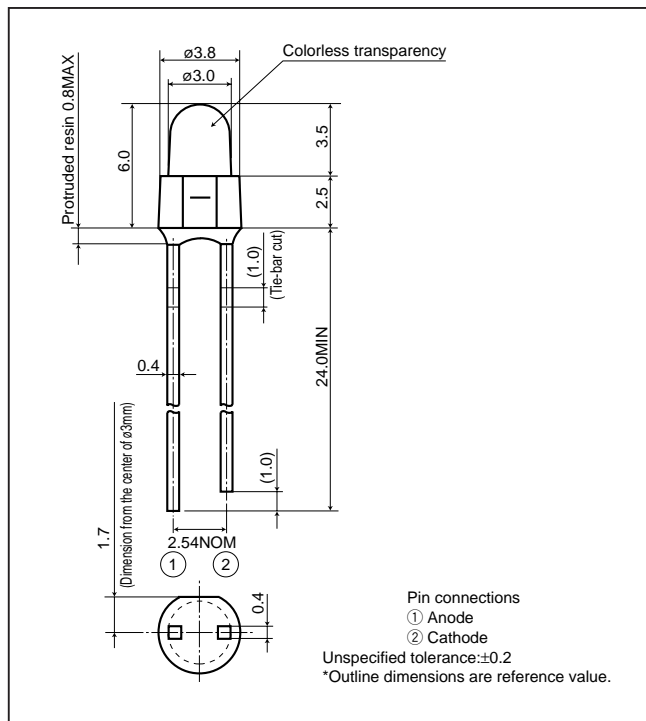


GL3Z□402B0SE series

Viewing Angle: 40° (2θ1/2) ø3mm,
Cylinder Type, Colorless
Transparency Super-luminosity
LED Lamps for Outdoor Use

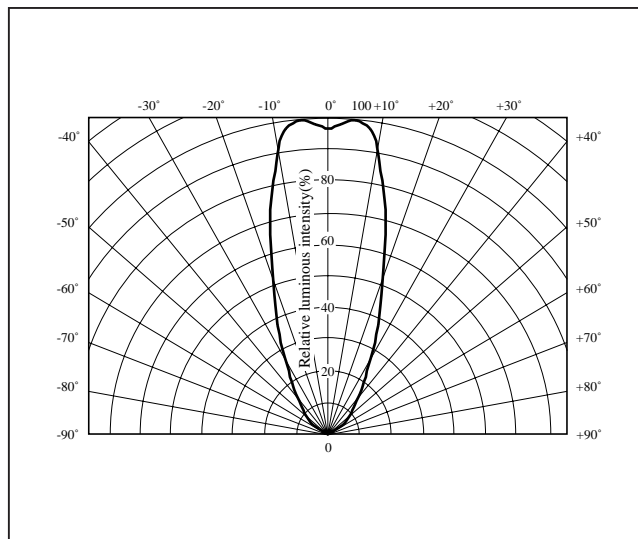
Outline Dimensions

(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				
GL3ZR402B0SE	Red	AlGaInP on GaAs	130	50	100	0.67	1.33	5	-40 to +85	-40 to +100	260
GL3ZJ402B0SE	Orange	AlGaInP on GaAs	130	50	100	0.67	1.33	5	-40 to +85	-40 to +100	260
GL3ZS402B0SE	Sunset orange	AlGaInP on GaAs	130	50	100	0.67	1.33	5	-40 to +85	-40 to +100	260
GL3ZV402B0SE	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)

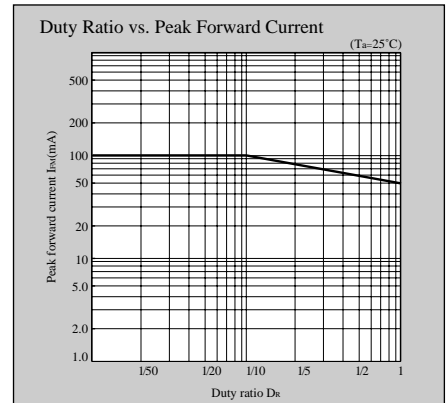
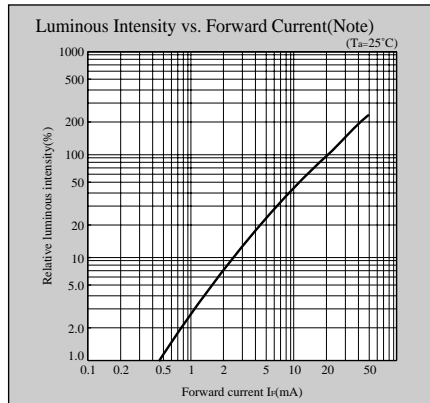
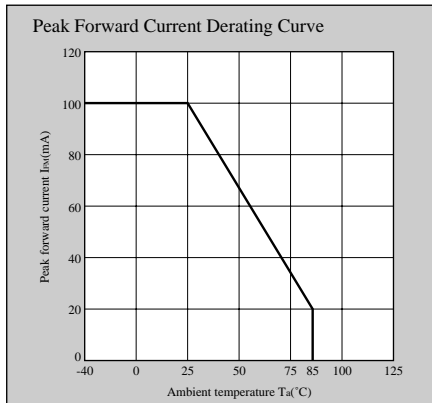
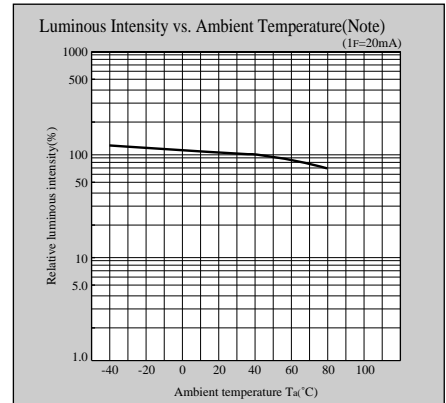
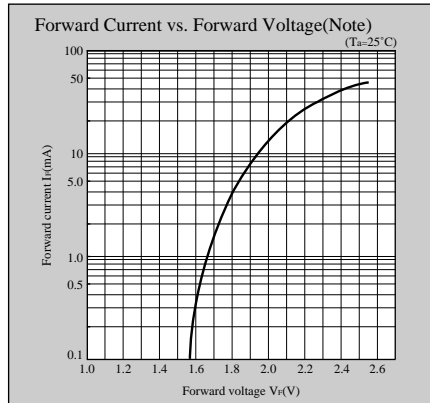
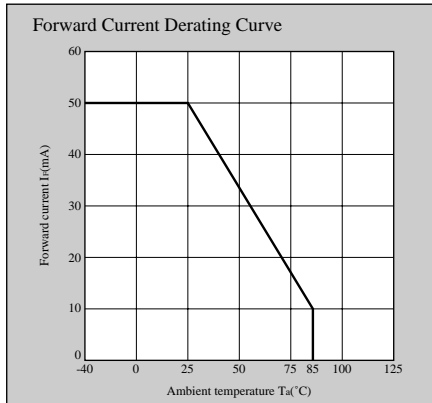
Electro-optical Characteristics

(IF=20mA, Ta=25°C)

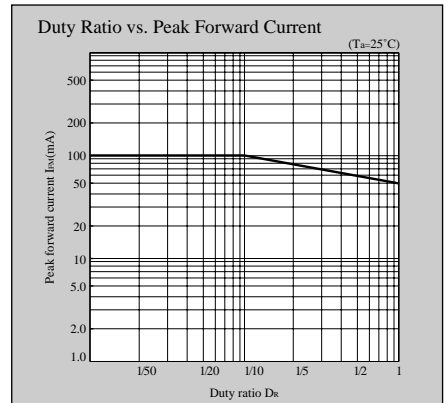
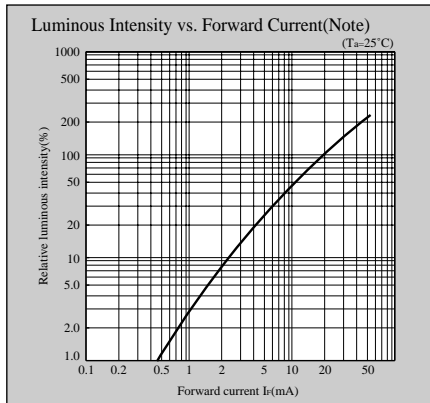
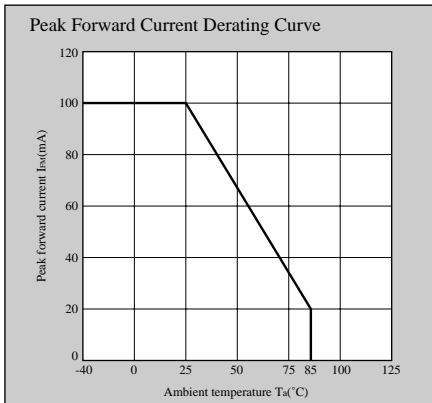
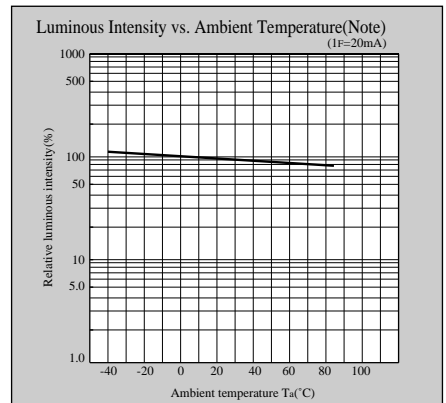
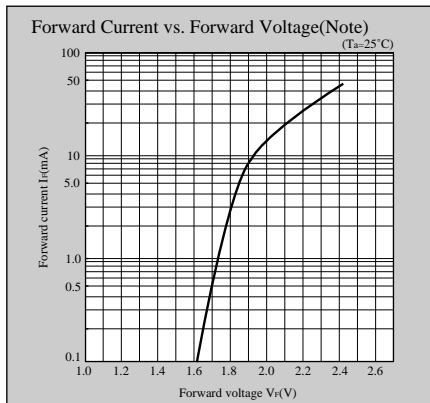
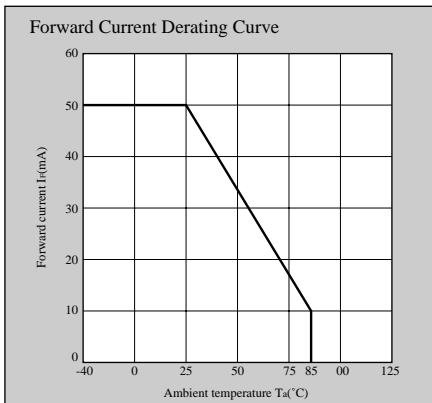
Lens type	Model No.	Forward voltage VF(V)		Peak emission wavelength λp(nm) TYP	Dominant wavelength λd(nm) TYP	Luminous intensity IV(mcd) TYP	Spectrum radiation bandwidth Δλ(nm) TYP	Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX					IR(μA) MAX	VR(V)	Ct(pF) TYP	(MHz)	
Colorless transparency	GL3ZR402B0SE	2.0	2.6	638	630	250	18	100	4	42	1	94
	GL3ZJ402B0SE	2.0	2.6	627	618	400	18	100	4	42	1	94
	GL3ZS402B0SE	2.0	2.6	609	605	400	18	100	4	42	1	95
	GL3ZV402B0SE	2.0	2.6	591	588	400	18	100	4	42	1	96

Characteristics Diagrams

ZR series



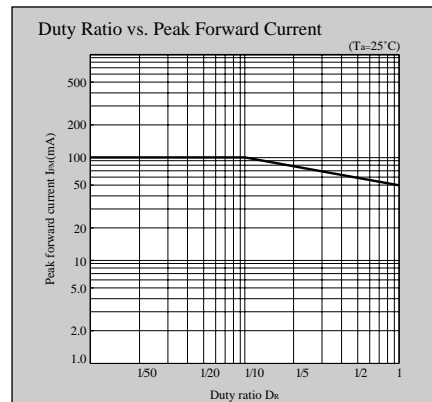
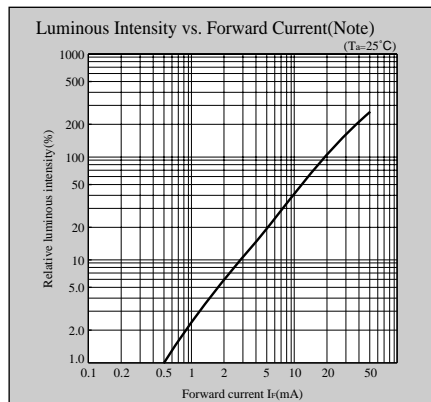
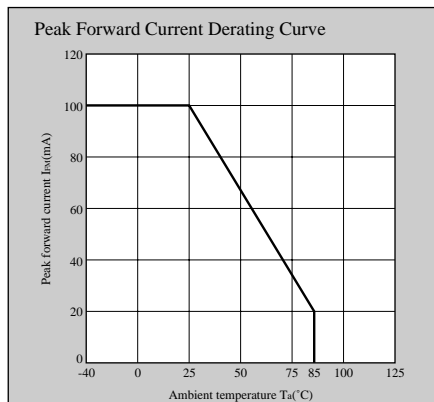
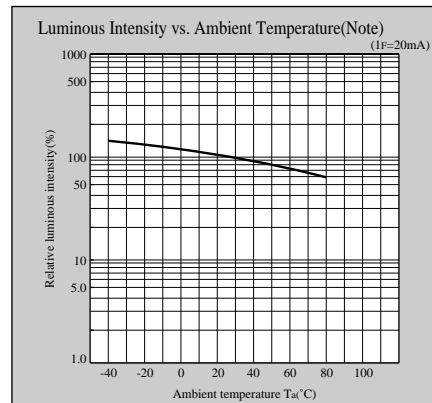
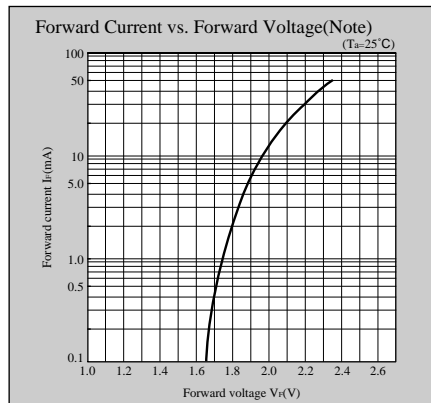
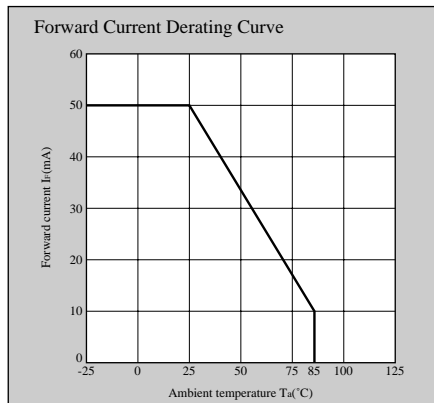
ZJ series



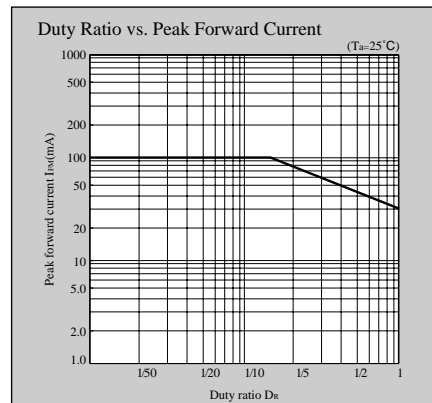
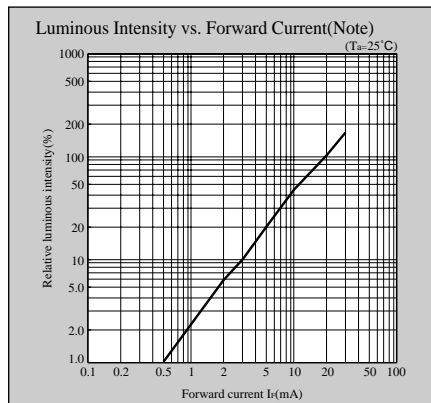
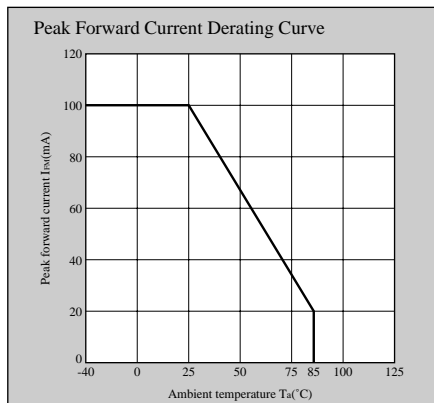
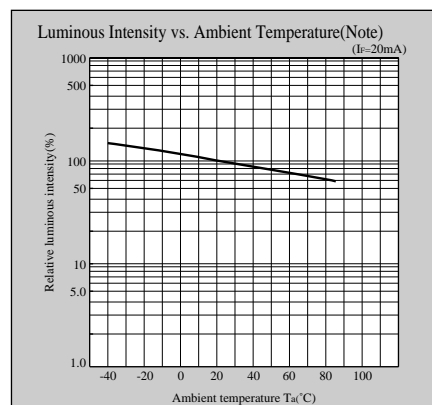
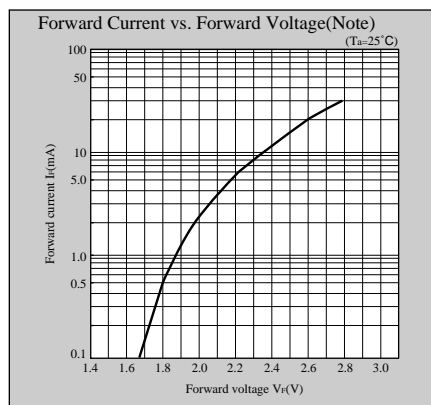
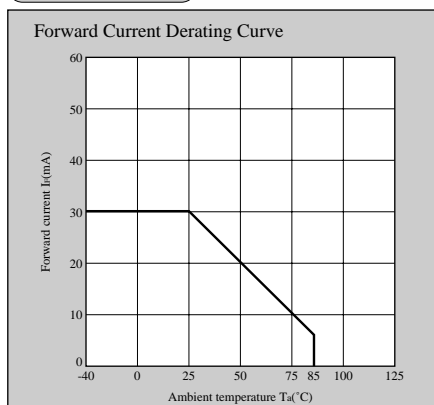
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

ZS series



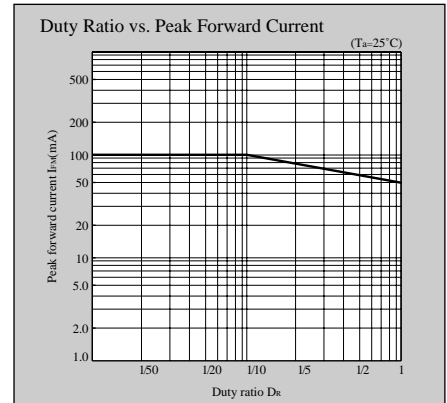
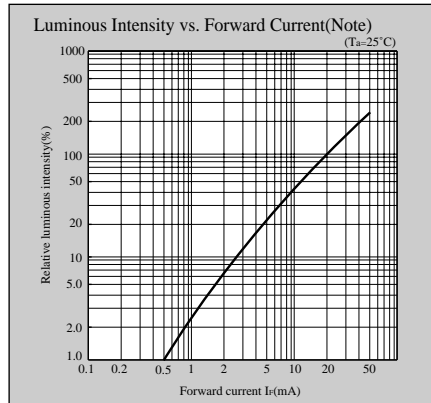
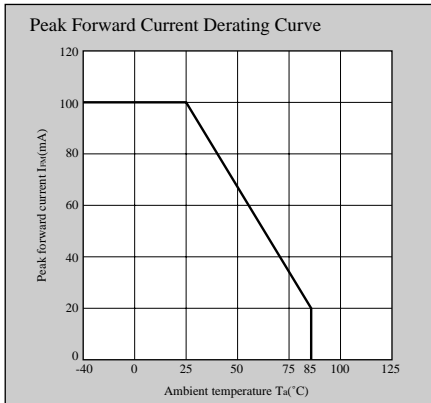
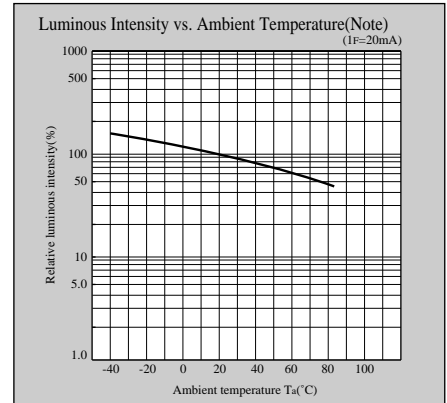
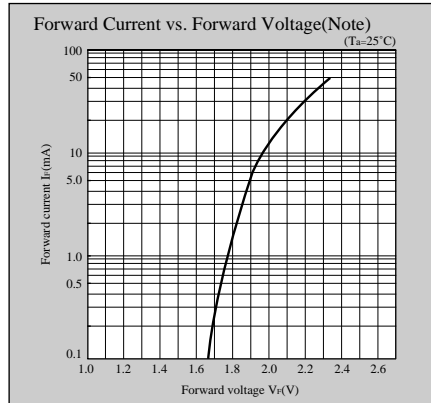
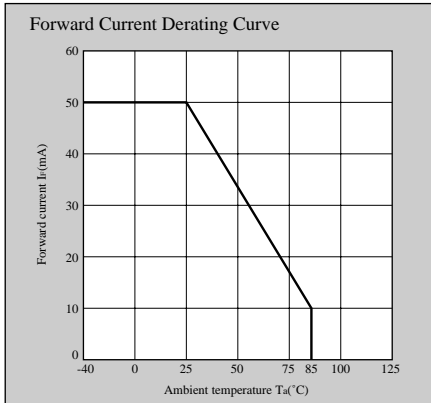
GL5XS022BOS



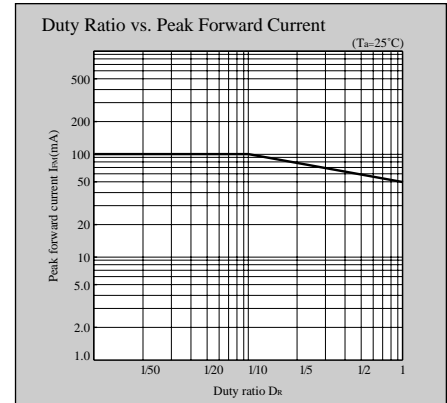
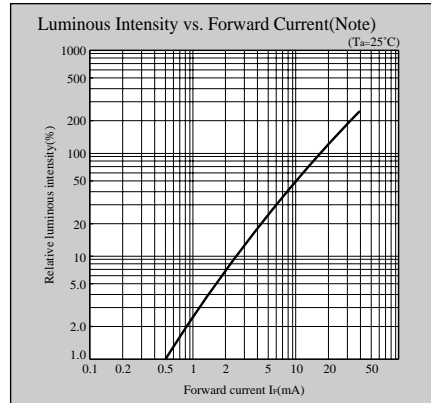
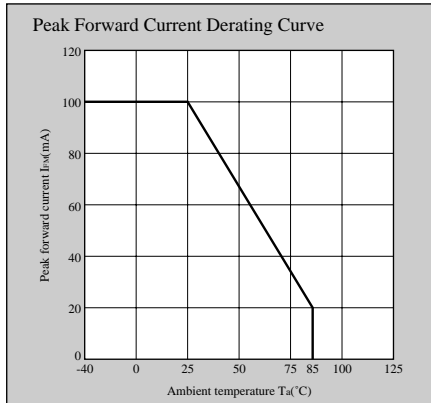
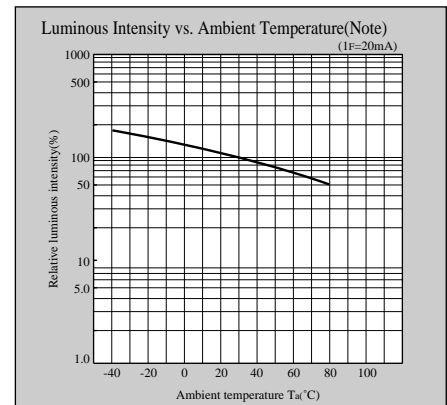
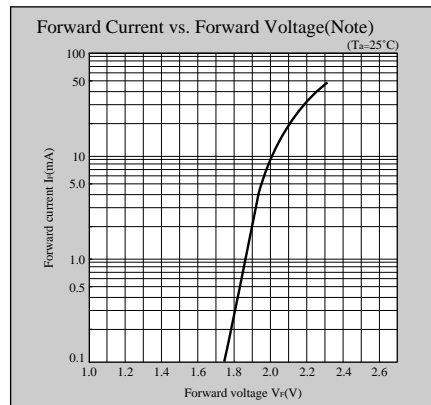
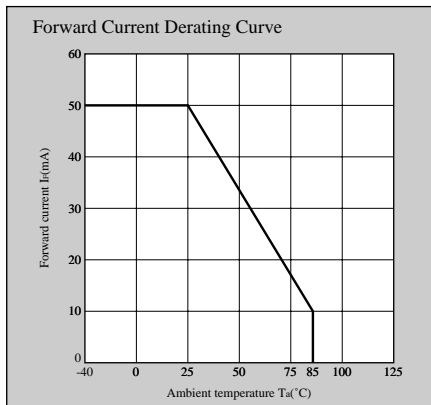
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

ZV series



ZE series



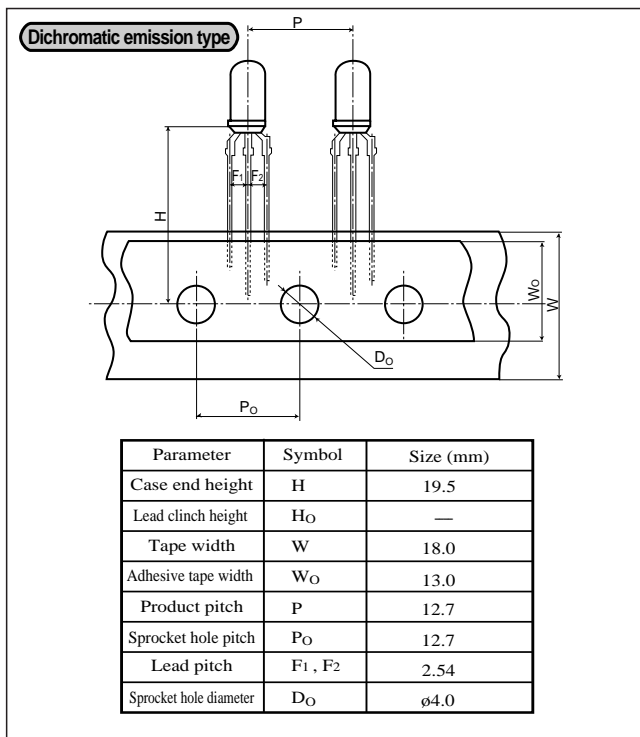
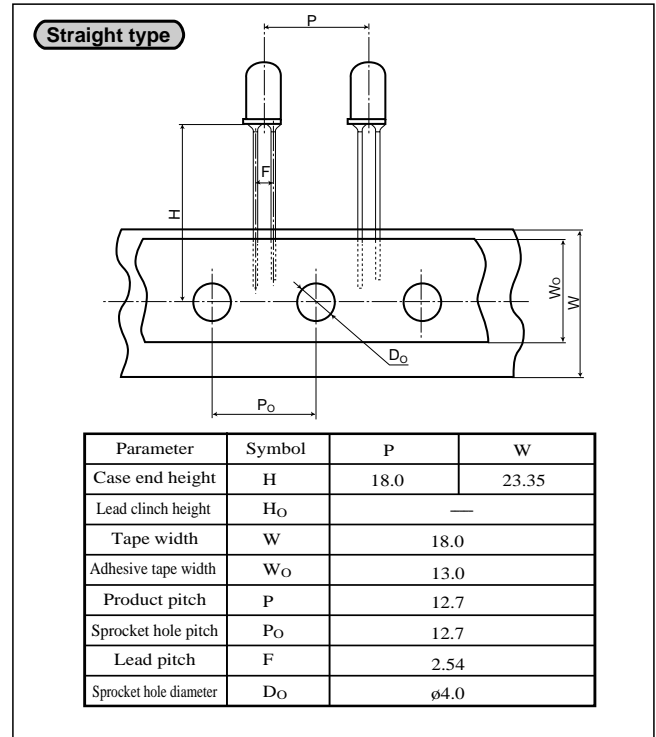
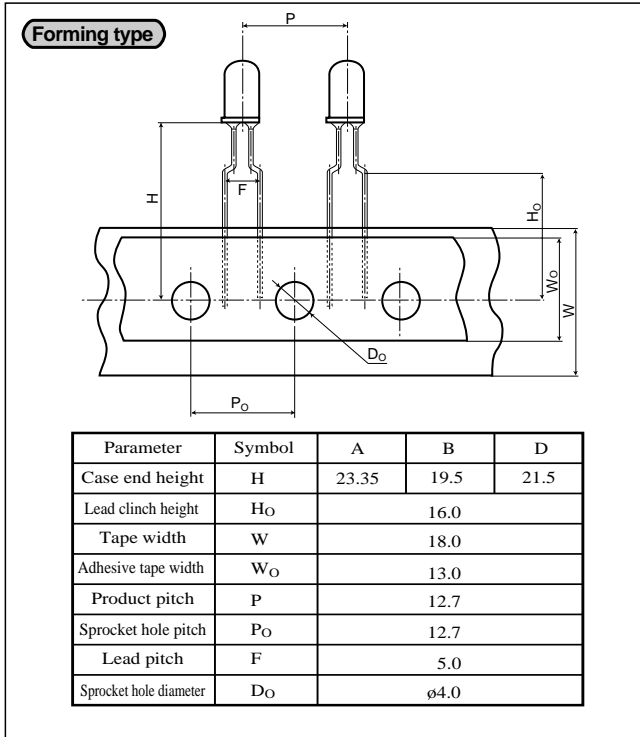
Note) Characteristics shown in diagrams are typical values. (not assurance value)

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