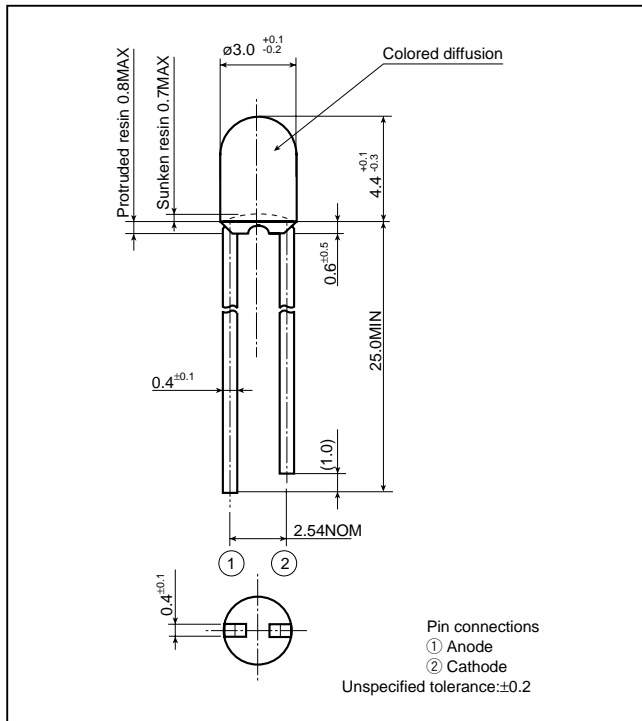


GL3□□63 series

ø3mm(T-1), Cylinder Type(Flangeless), Colored Diffusion LED Lamps for Backlight/Indicator

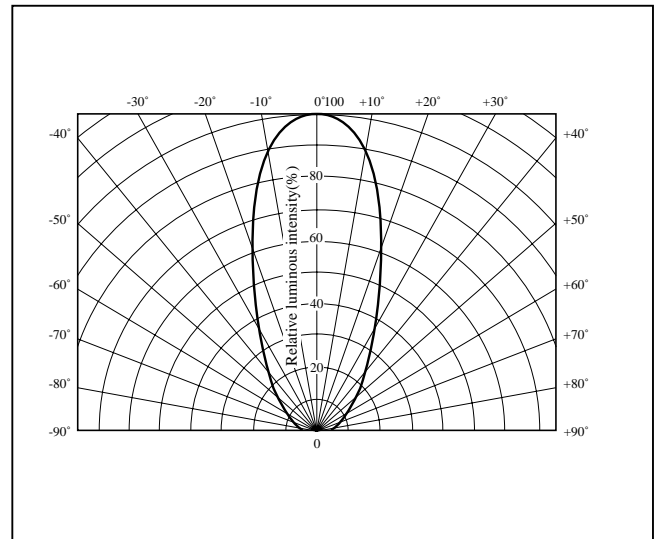
Outline Dimensions

(Unit : mm)



Directive Characteristics

(Ta=25°C)



Absolute Maximum Ratings

(Ta=25°C)

Model No.	Emitting color	Material	Power dissipation P (mW)	Forward current 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				
GL3PR63	Red	GaP	23	10	50	0.13	0.67	5	-25 to +85	-25 to +100	260
GL3HD63	Red	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL3HS63	Sunset orange	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL3HY63	Yellow	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL3EG63	Yellow-green	GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL3KG63	Green	GaP	84	30	50	0.40	0.67	5	-25 to +85	-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)

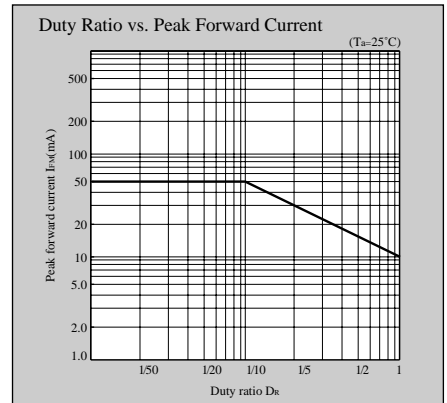
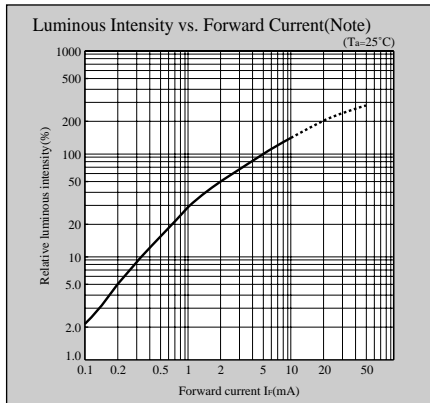
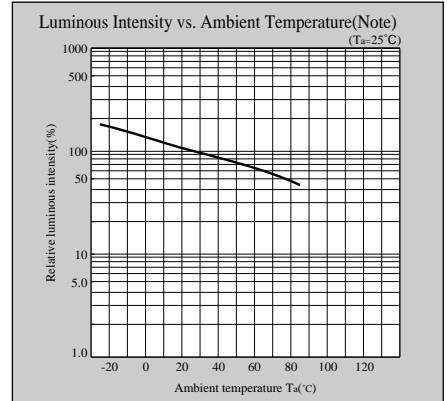
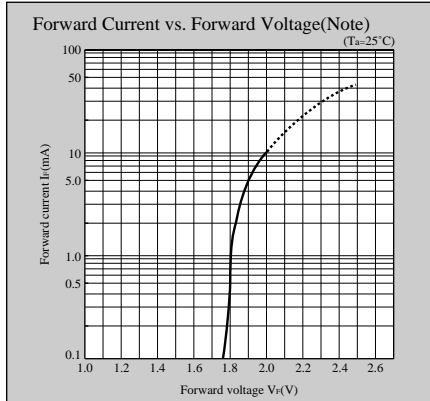
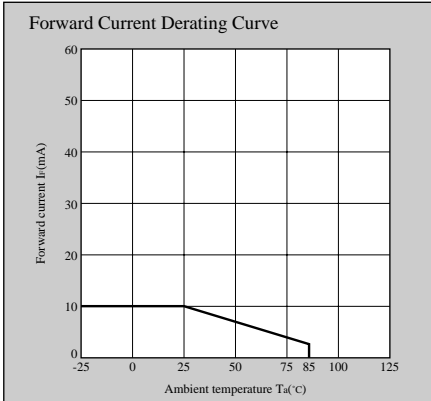
Electro-optical Characteristics

(Ta=25°C)

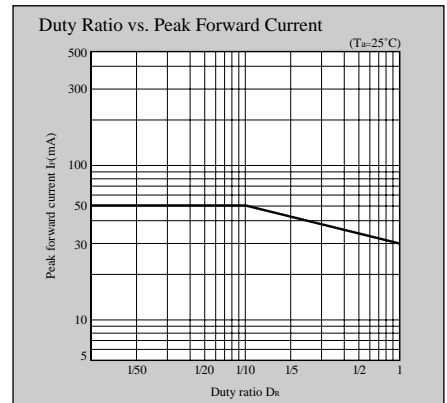
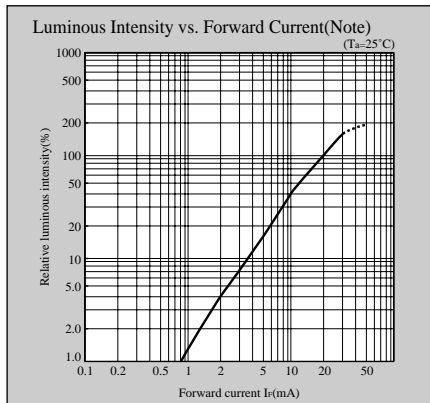
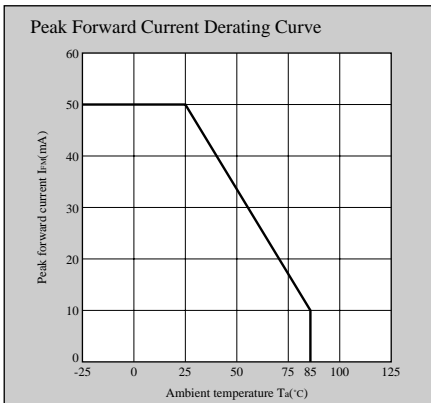
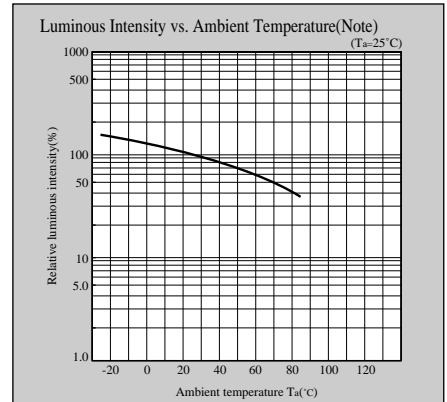
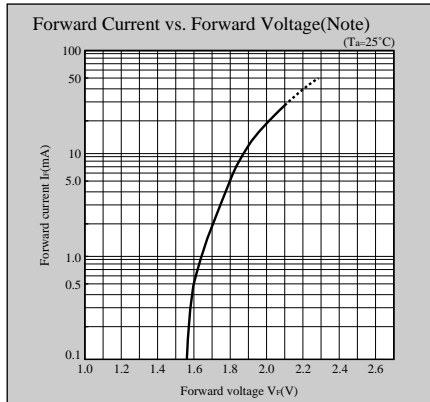
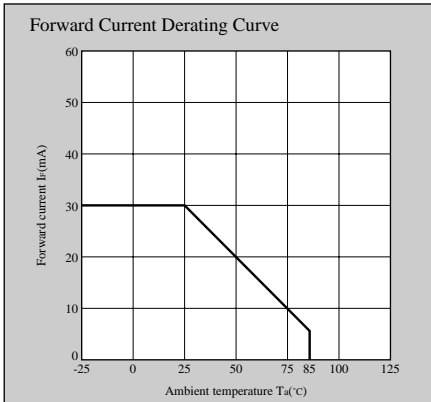
Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength λ_p (nm)		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX	TYP	I _F (mA)	I _v (mcd) TYP	I _F (mA)	$\Delta\lambda$ (nm) TYP	I _F (mA)	I _R (μ A) MAX	V _R (V)	C _t (pF) TYP	(MHz)	
Colored diffusion	GL3PR63	1.9	2.3	695	5	2.0	5	100	5	10	4	55	1	100
	GL3HD63	2.0	2.8	635	20	17	20	35	20	10	4	20	1	100
	GL3HS63	2.0	2.8	610	20	15	20	35	20	10	4	15	1	101
	GL3HY63	2.0	2.8	585	20	16	20	30	20	10	4	35	1	101
	GL3EG63	2.1	2.8	565	20	18	20	30	20	10	4	35	1	102
	GL3KG63	2.1	2.8	555	20	6.0	20	25	20	10	4	40	1	102

Characteristics Diagrams

PR,P series



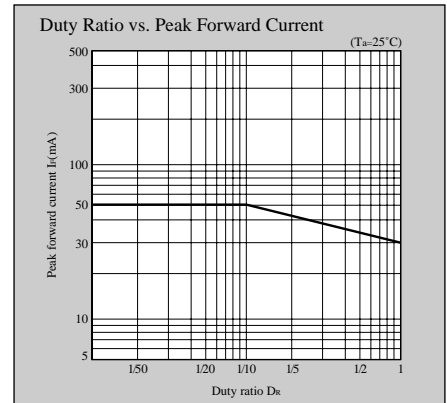
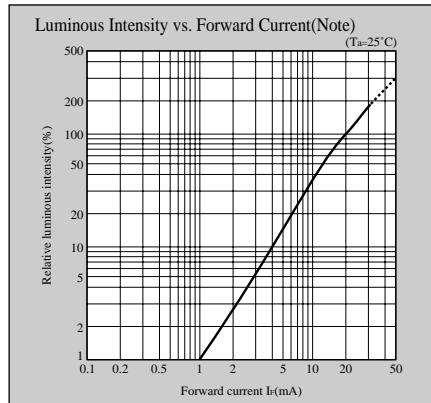
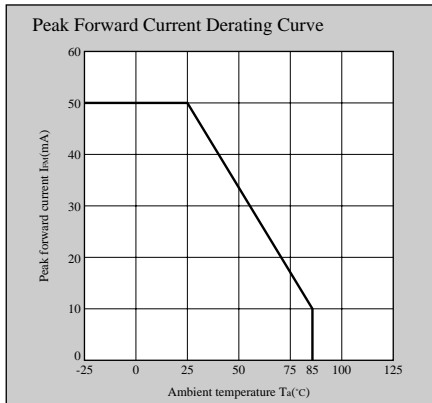
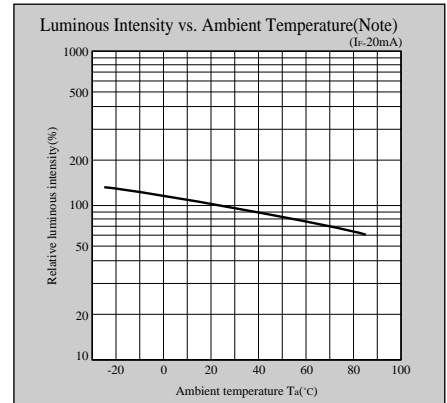
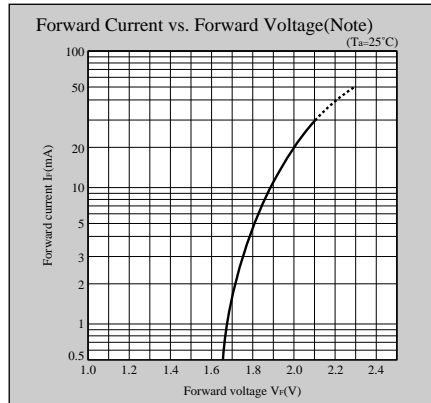
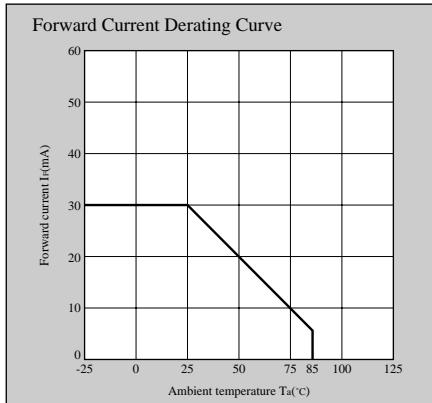
HD,D series



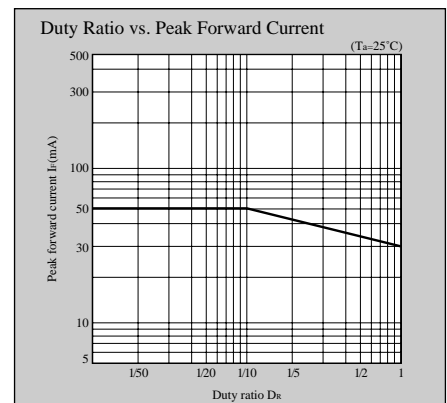
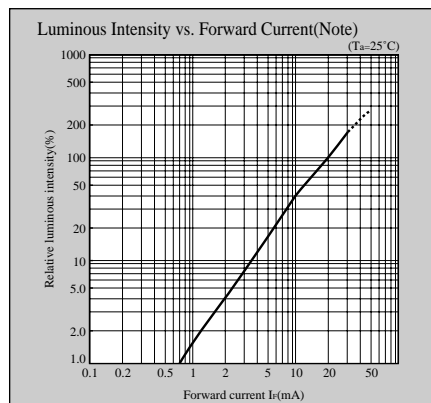
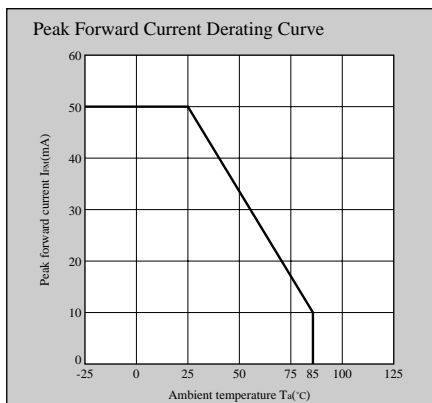
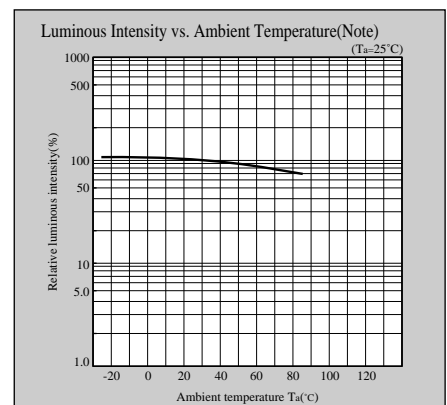
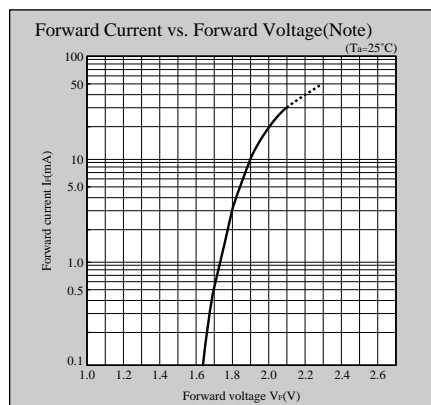
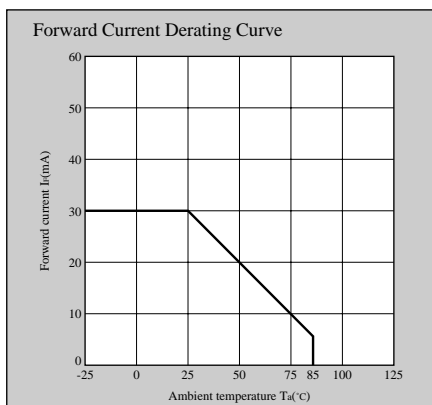
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

HS,S series



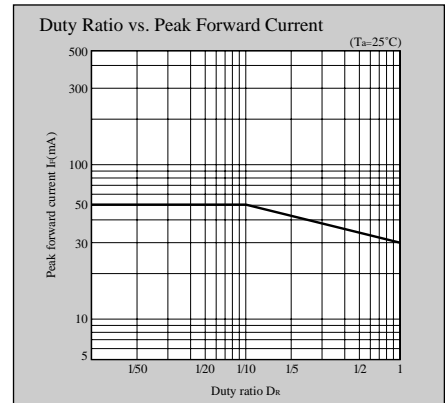
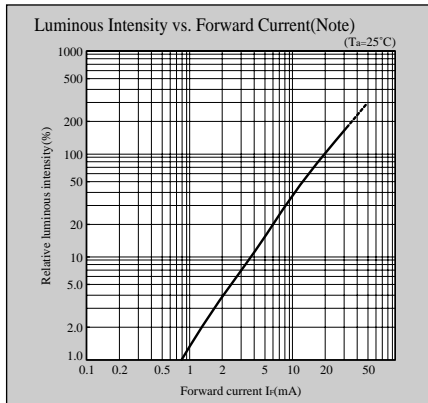
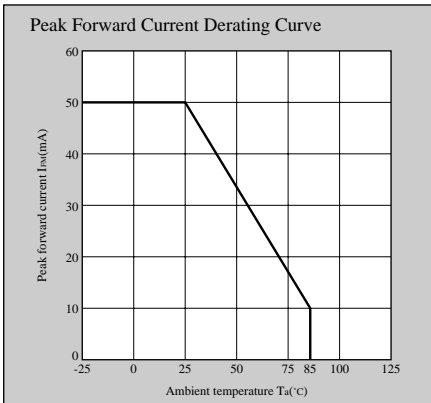
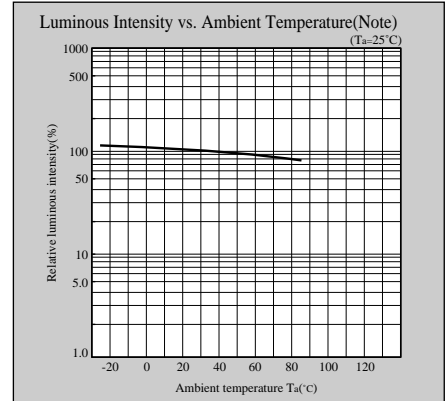
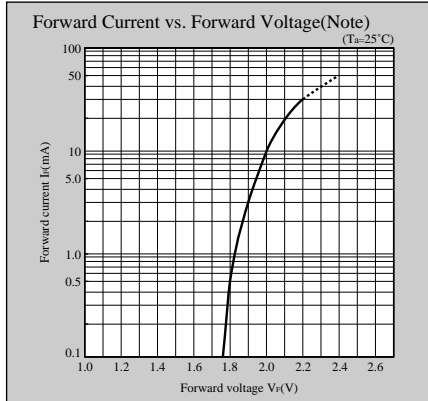
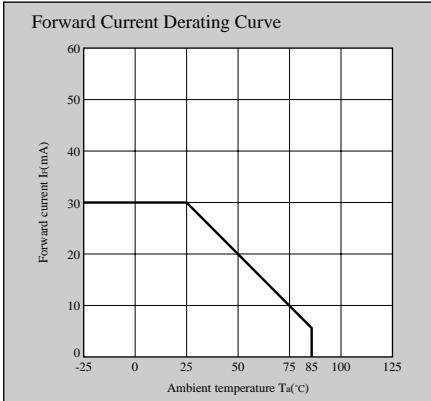
HY,H series



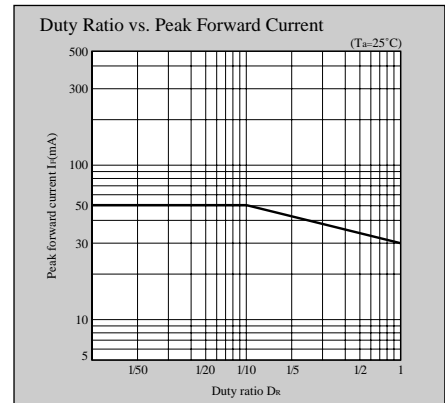
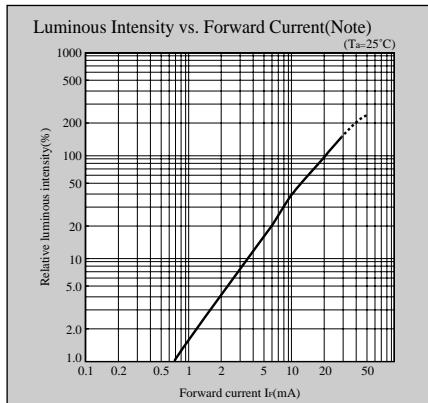
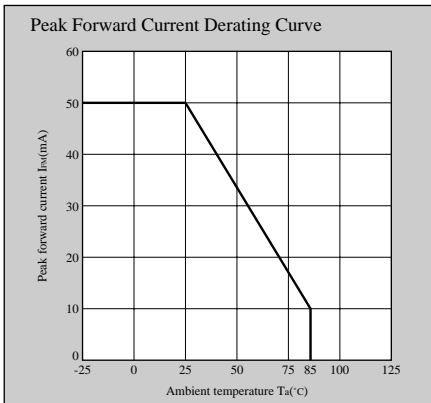
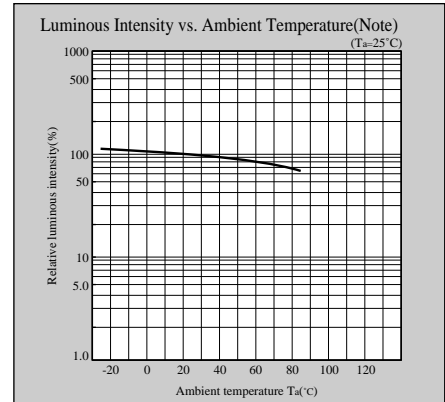
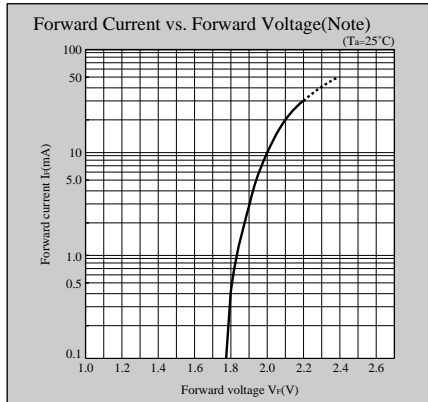
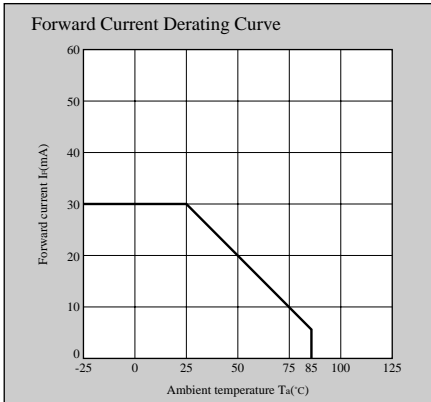
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

EG,E,F,C series



KG,K series



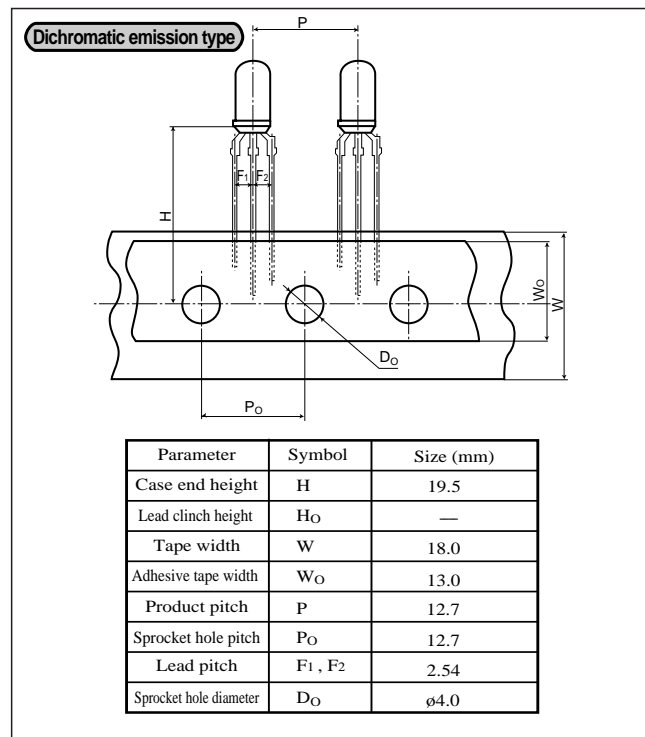
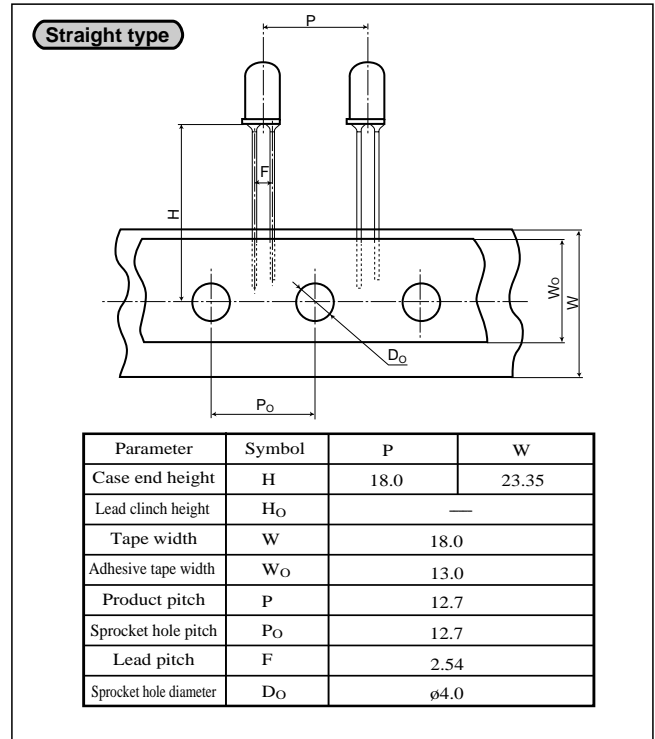
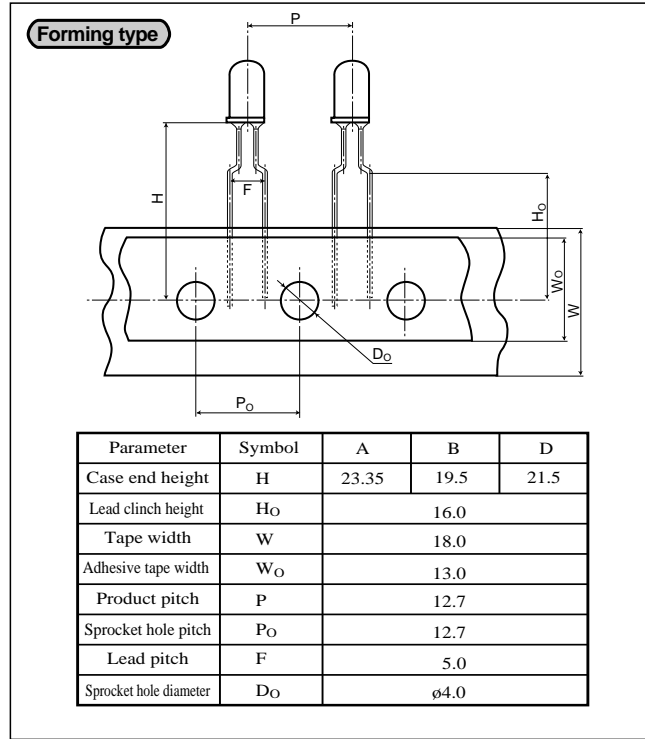
Note) Characteristics shown in diagrams are typical values. (not assurance value)

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
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