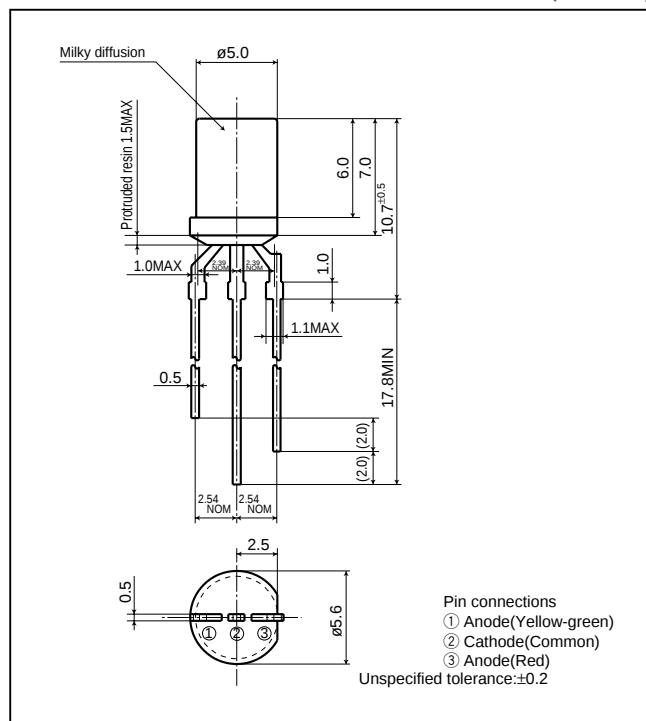
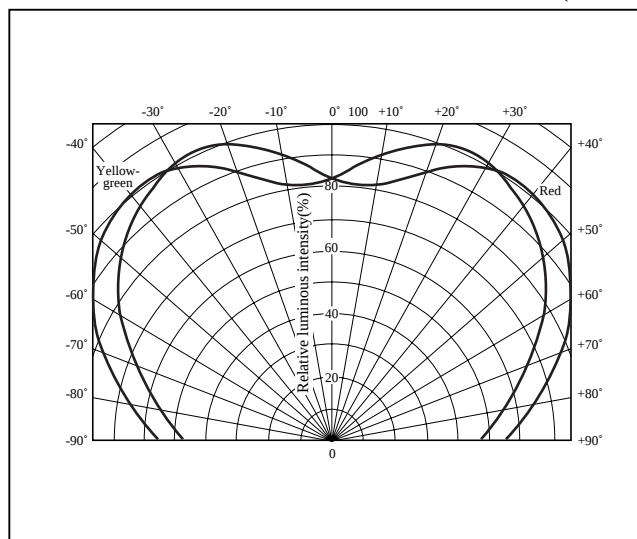


ø5mm(T-1 3/4), Cylinder Type(Flat Top), Milky Diffusion, Dichromatic LED Lamps for Backlight/Indicator

(Unit : mm)



(T_a=25°C)



(T_a=25°C)

Model No.	Emitting color	Material	Power dissipation P*1 (mW)	Forward current I _F (mA)	Peak forward current I _{FM} *2 (mA)	Derating factor (mA/°C)		Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{stg} (°C)	Soldering temperature T _{sol} *3 (°C)
						DC	Pulse				
GL5ED60	Yellow-green	GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
	Red	GaAsP on GaP	84	30	50	0.40	0.67	5			

*3 5s or less(At the position of 1.6mm or more from the bottom face of resin package)

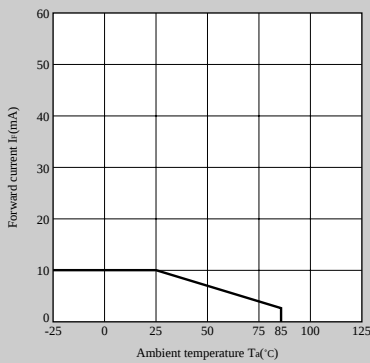
($T_a=25^\circ\text{C}$)

Lens type	Model No.	Radiation color	Forward voltage V _F (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristic diagrams
					λ _p (nm)	I _F	I _v (mcd)	I _F	Δλ(nm)	I _F	I _R (μA)	V _R	C _t (pF)	(MHz)	
			TYP	MAX	TYP	(mA)	TYP	(mA)	TYP	(mA)	MAX	(V)	TYP		
Milky diffusion	GL5ED60	Yellow-green	2.1	2.8	565	20	11	20	30	20	10	4	35	1	102
		Red	2.0	2.8	635	20	8	20	35	20	10	4	20	1	100

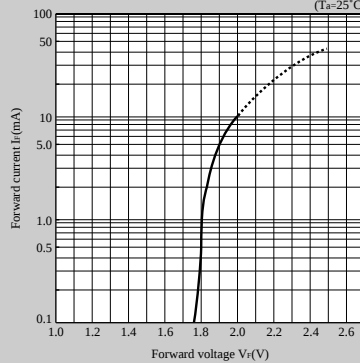
Characteristics Diagrams

PR,P series

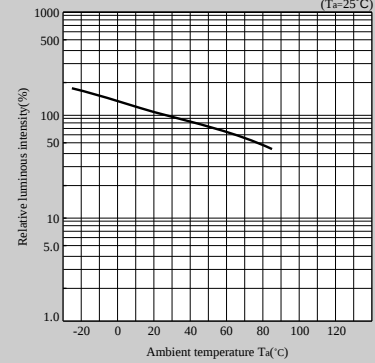
Forward Current Derating Curve



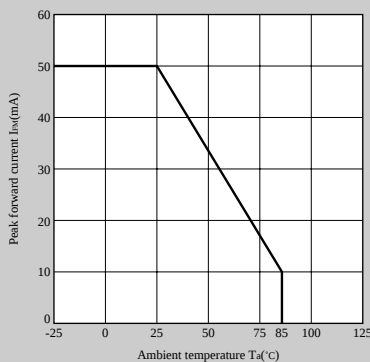
Forward Current vs. Forward Voltage(Note)



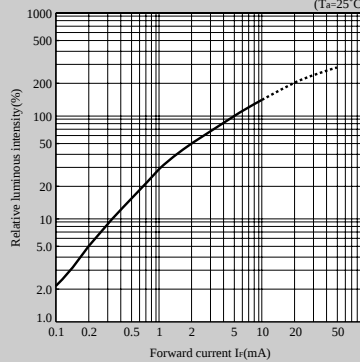
Luminous Intensity vs. Ambient Temperature(Note)



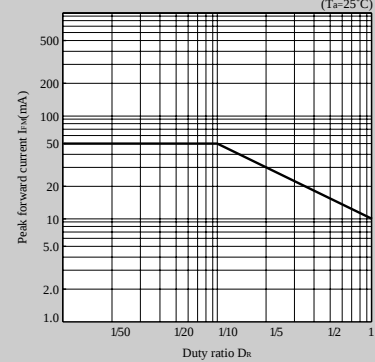
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)

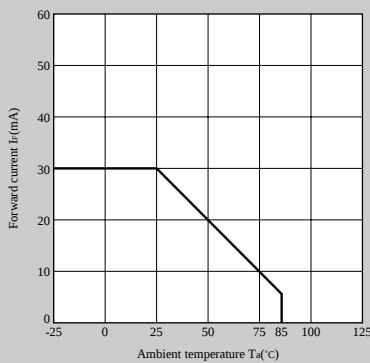


Duty Ratio vs. Peak Forward Current

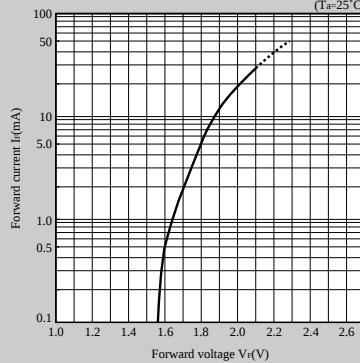


HD,D series

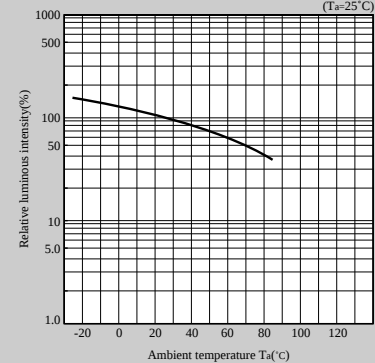
Forward Current Derating Curve



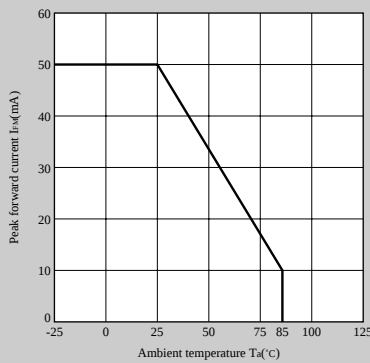
Forward Current vs. Forward Voltage(Note)



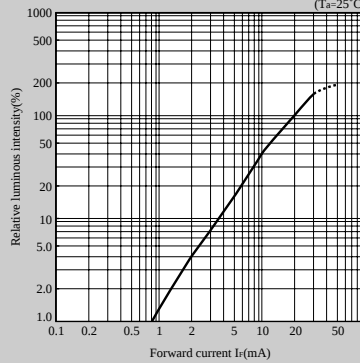
Luminous Intensity vs. Ambient Temperature(Note)



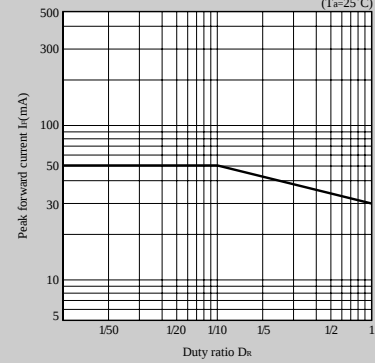
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)



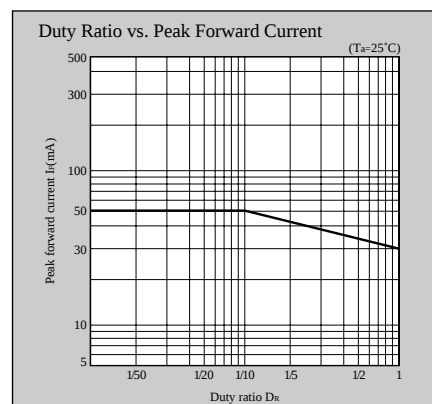
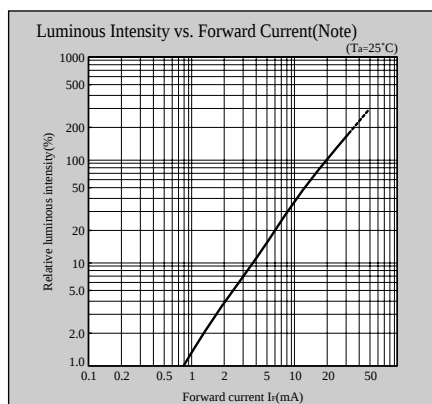
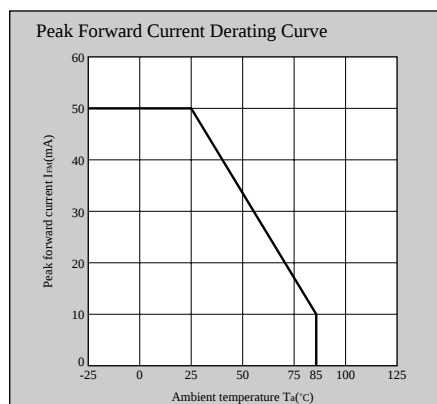
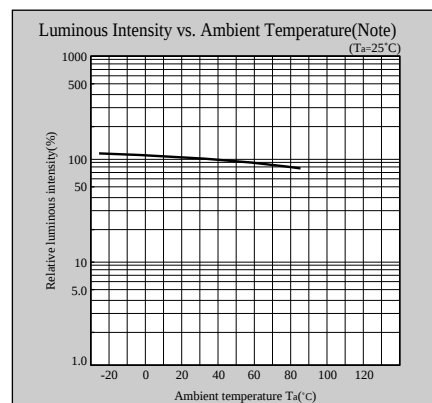
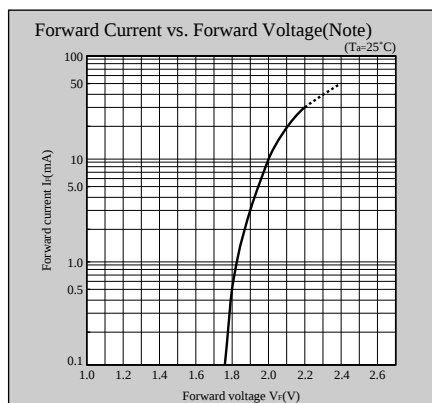
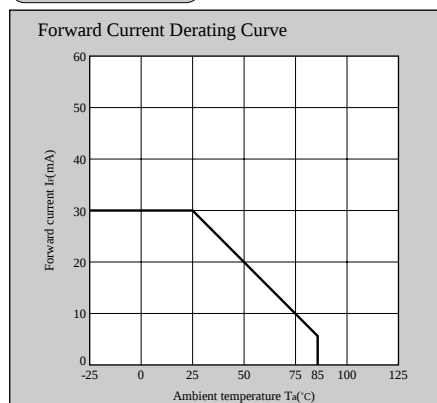
Duty Ratio vs. Peak Forward Current



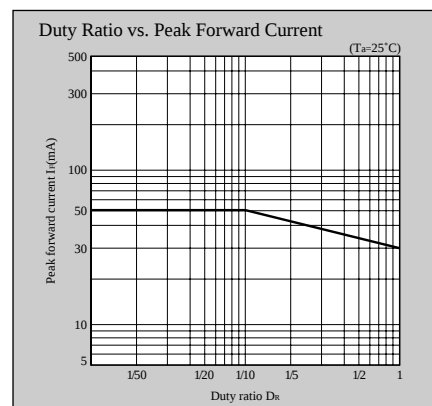
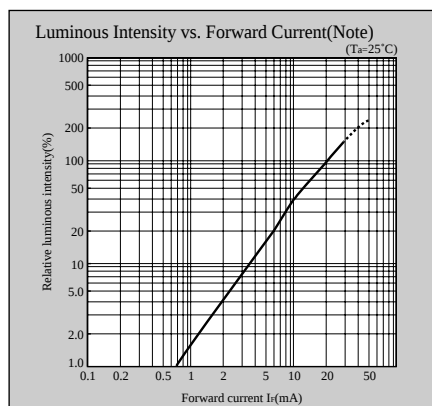
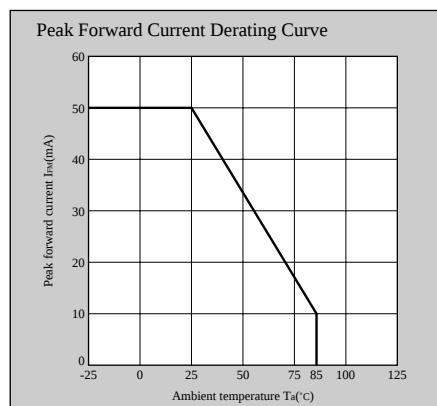
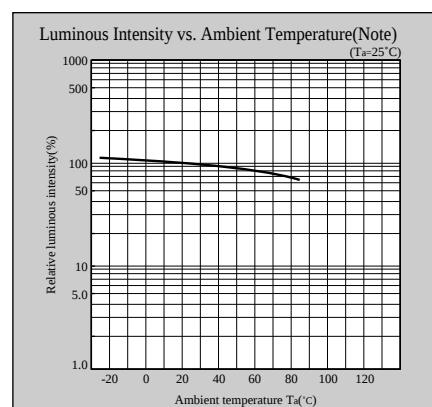
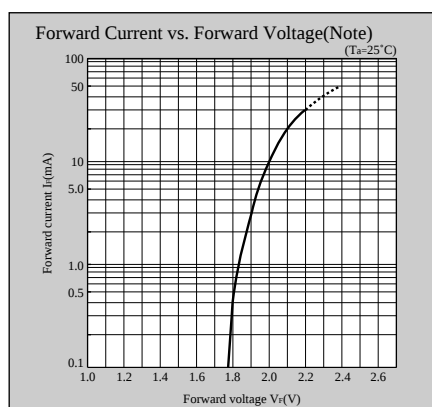
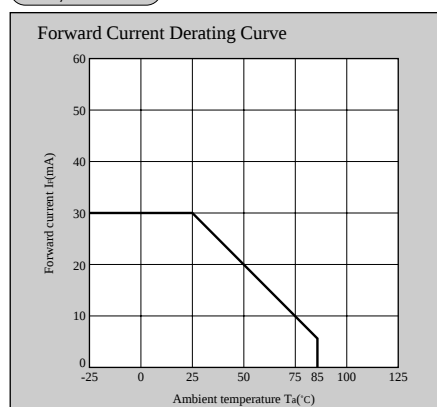
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

EG,E,F,C series



KG,K series



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

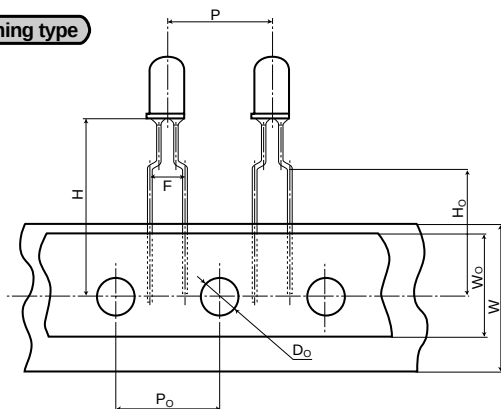
Taping Specifications

■ 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.

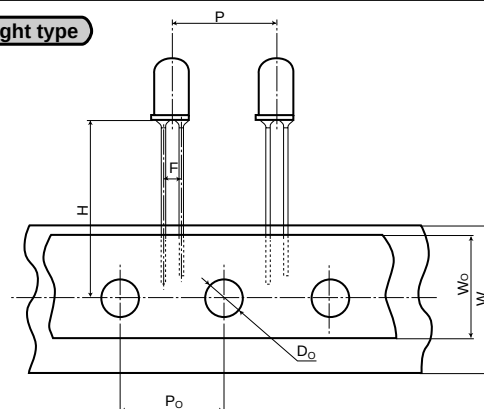
■ Taping specification(Unit : mm, TYP. value)

Forming type



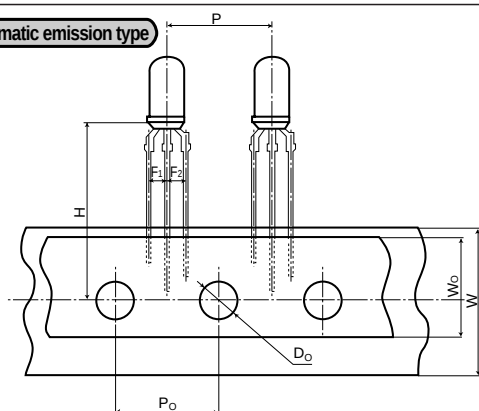
Parameter	Symbol	A	B	D
Case end height	H	23.35	19.5	21.5
Lead clinch height	H _O	16.0		
Tape width	W	18.0		
Adhesive tape width	W _O	13.0		
Product pitch	P	12.7		
Sprocket hole pitch	P _O	12.7		
Lead pitch	F	5.0		
Sprocket hole diameter	D _O	ø4.0		

Straight type



Parameter	Symbol	p	W
Case end height	H	18.0	23.35
Lead clinch height	H _O	—	
Tape width	W	18.0	
Adhesive tape width	W _O	13.0	
Product pitch	P	12.7	
Sprocket hole pitch	P _O	12.7	
Lead pitch	F	2.54	
Sprocket hole diameter	D _O	ø4.0	

Dichromatic emission type



Parameter	Symbol	Size (mm)
Case end height	H	19.5
Lead clinch height	H _O	—
Tape width	W	18.0
Adhesive tape width	W _O	13.0
Product pitch	P	12.7
Sprocket hole pitch	P _O	12.7
Lead pitch	F1, F2	2.54
Sprocket hole diameter	D _O	ø4.0

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