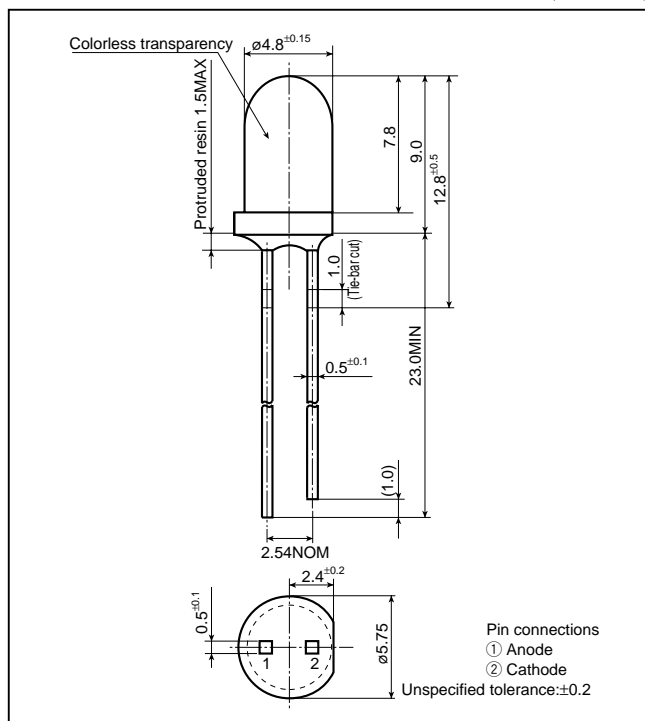


GL5□□43 series

ø5mm(T-1 3/4), Cylinder Type,
Colorless Transparency LED
Lamps for Indicator

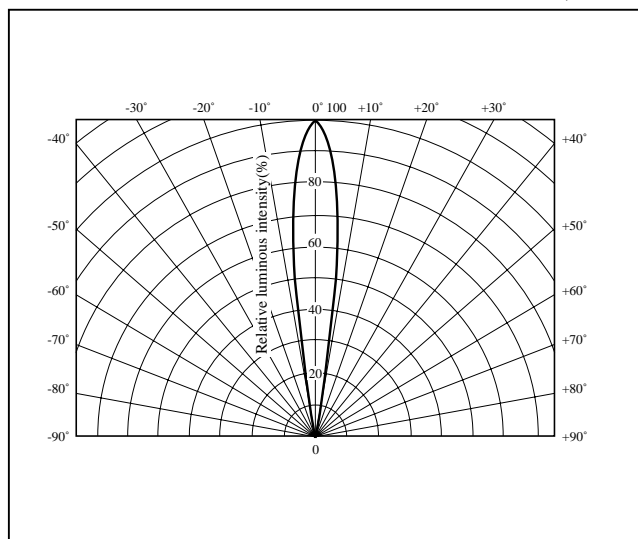
■ Outline Dimensions

(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				
GL5HD43	Red	GaAsP on GAP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL5HS43	Sunset orange	GaAsP on GAP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL5HY43	Yellow	GaAsP on GAP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL5EG43	Yellow-green	GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
GL5KG43	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

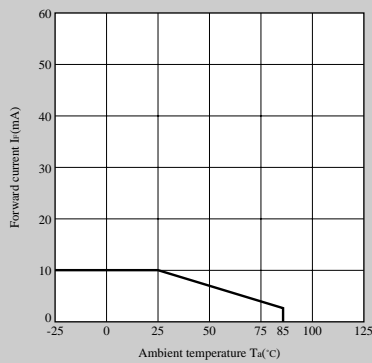
(Ta=25°C)

Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength λ _p (nm)		Luminous intensity I _v (mcd)		Spectrum radiation bandwidth Δλ(nm)		Reverse current I _R (μA)		Terminal capacitance C _t (pF)		Page for characteristics diagrams
		TYP	MAX	TYP	I _F (mA)	TYP	I _F (mA)	TYP	I _F (mA)	MAX	V _R (V)	TYP	(MHz)	
Colorless transparency	GL5HD43	2.0	2.8	635	20	300	20	35	20	10	4	20	1	100
	GL5HS43	2.0	2.8	610	20	250	20	35	20	10	4	15	1	100
	GL5HY43	2.0	2.8	585	20	250	20	30	20	10	4	35	1	101
	GL5EG43	2.1	2.8	565	20	300	20	30	20	10	4	35	1	102
	GL5KG43	2.1	2.8	555	20	120	20	30	20	10	4	35	1	102

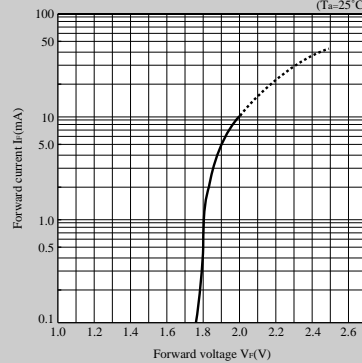
Characteristics Diagrams

PR,P series

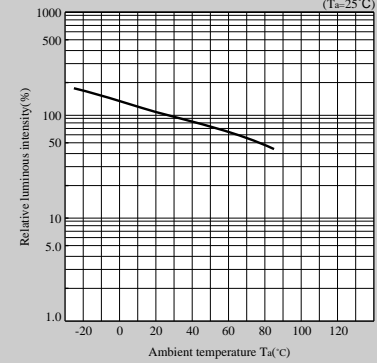
Forward Current Derating Curve



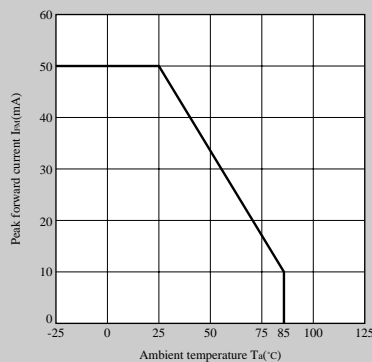
Forward Current vs. Forward Voltage(Note)



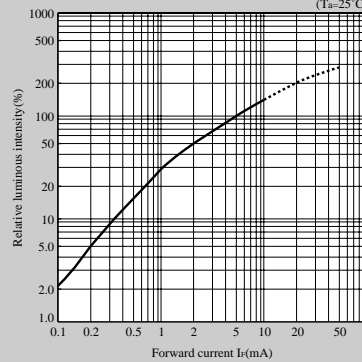
Luminous Intensity vs. Ambient Temperature(Note)



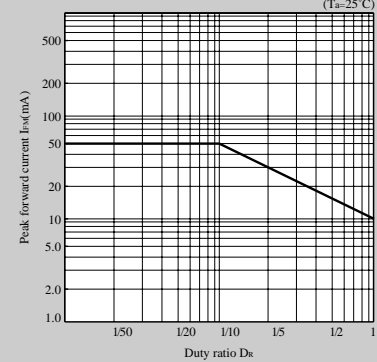
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)

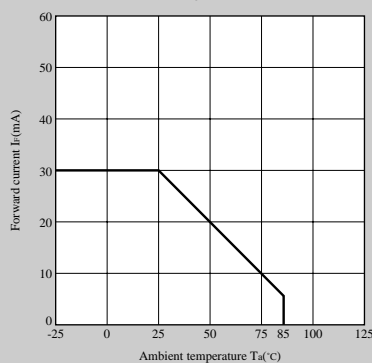


Duty Ratio vs. Peak Forward Current

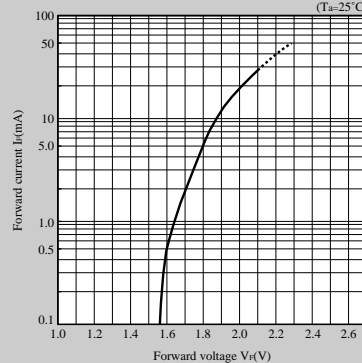


HD,D series

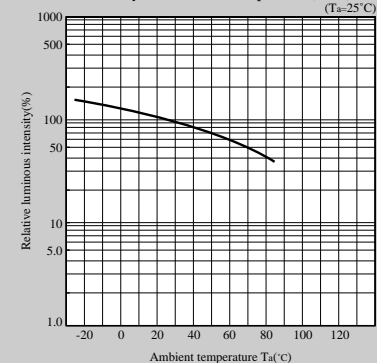
Forward Current Derating Curve



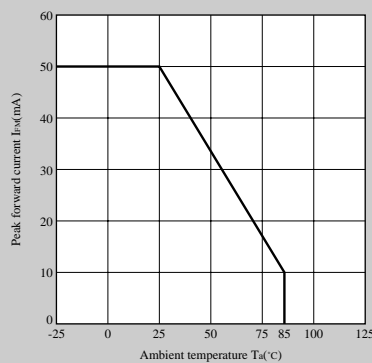
Forward Current vs. Forward Voltage(Note)



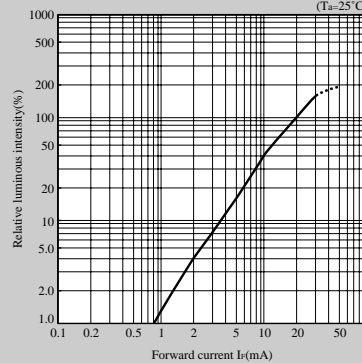
Luminous Intensity vs. Ambient Temperature(Note)



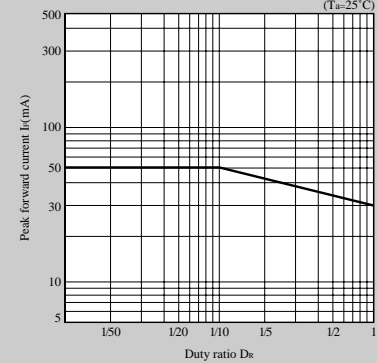
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)



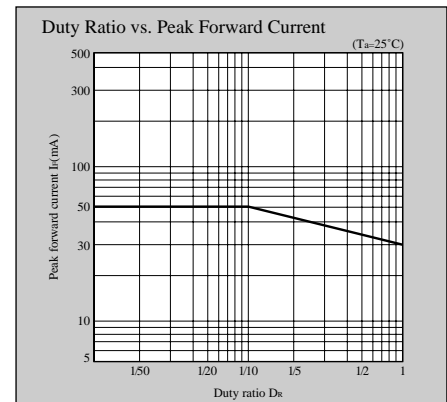
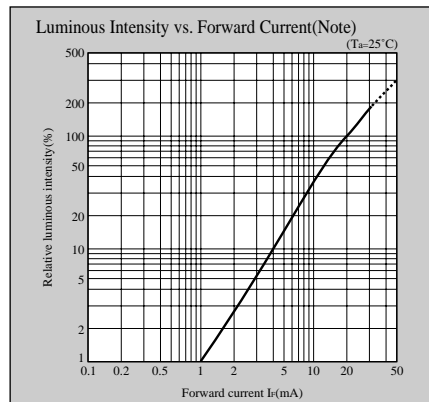
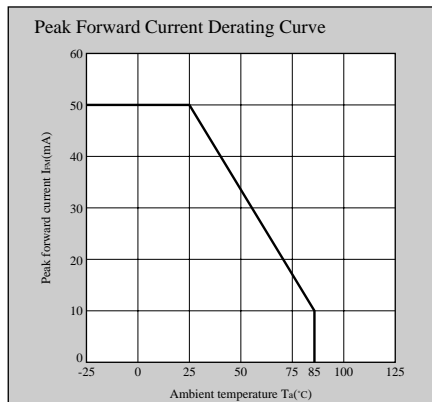
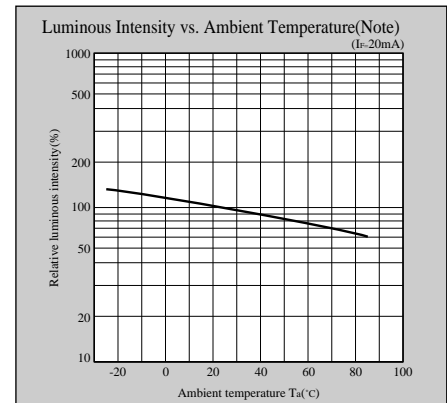
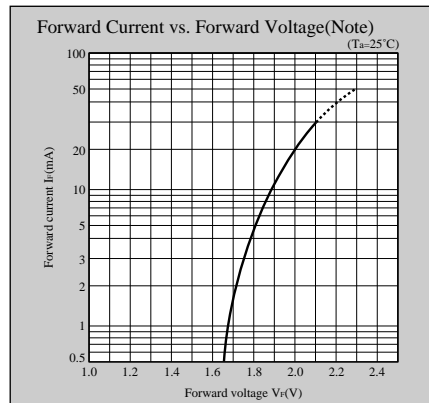
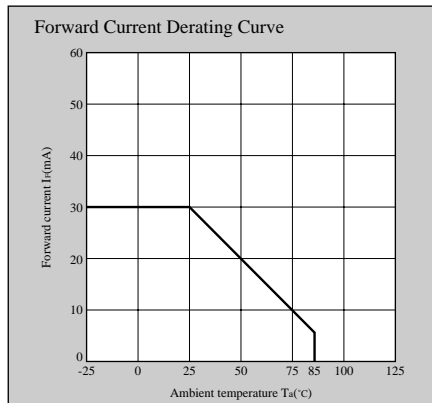
Duty Ratio vs. Peak Forward Current



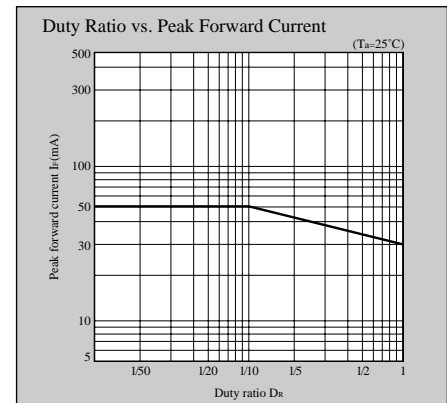
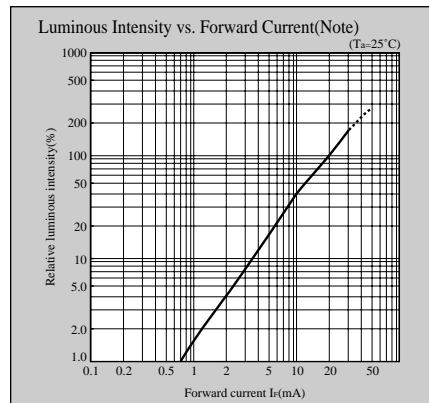
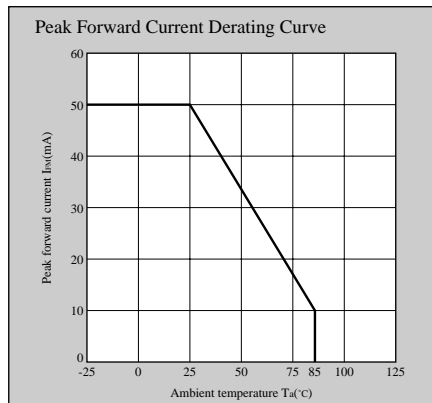
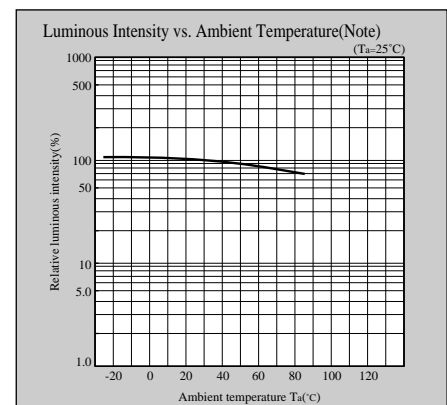
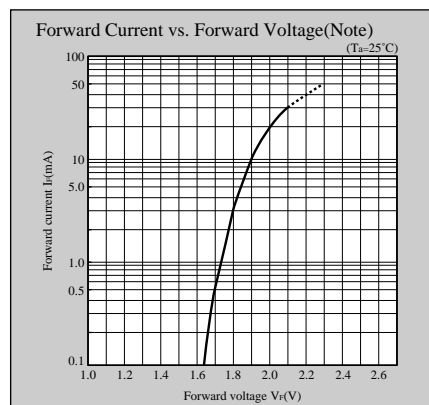
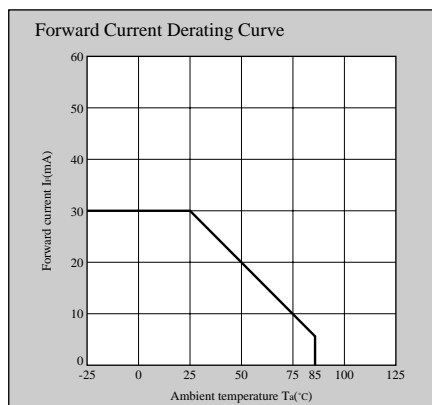
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

HS,S series



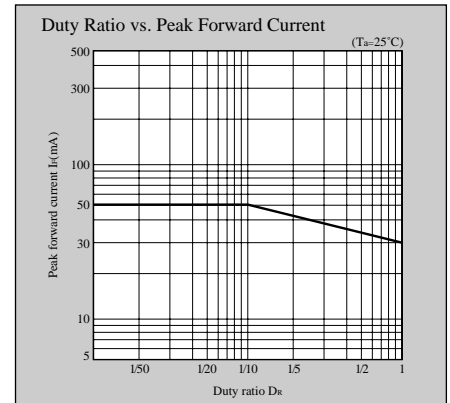
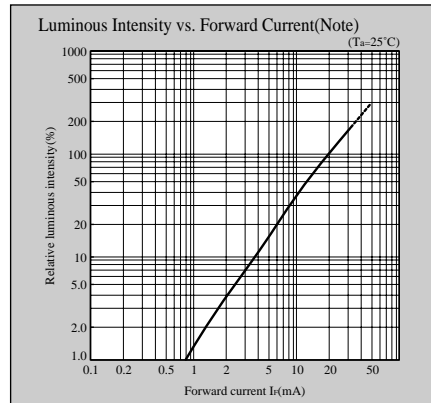
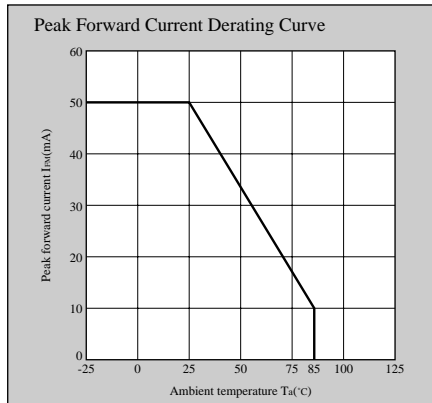
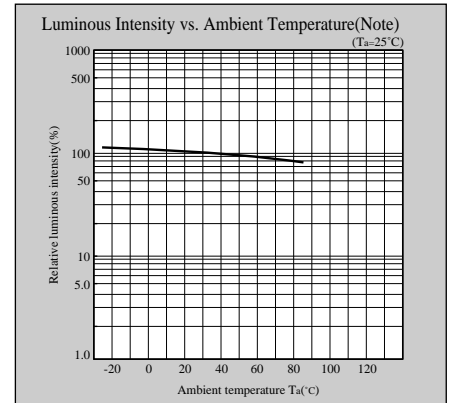
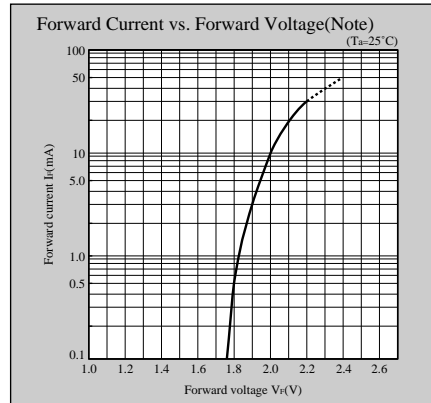
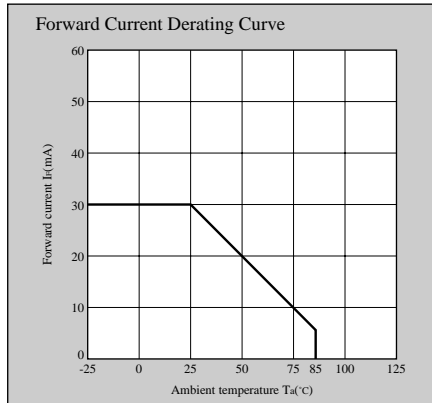
HY,H series



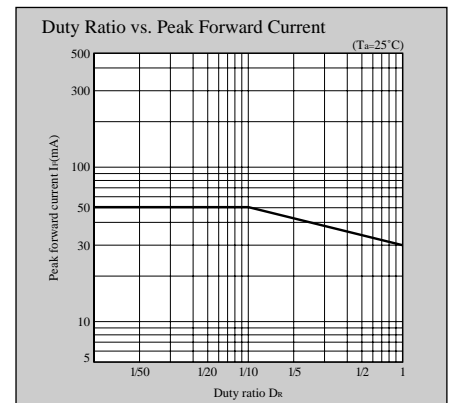
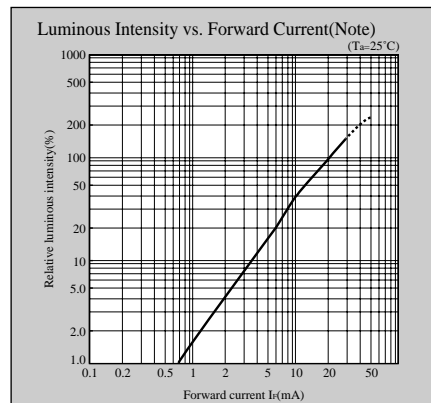
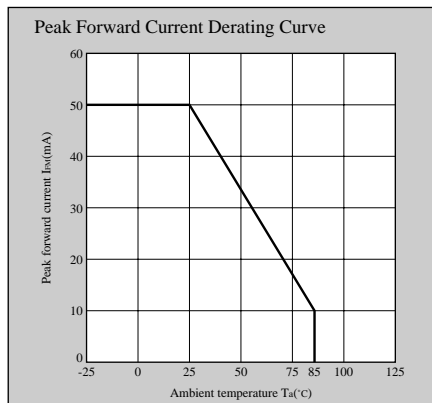
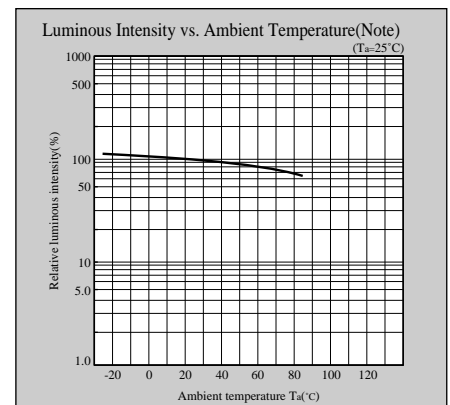
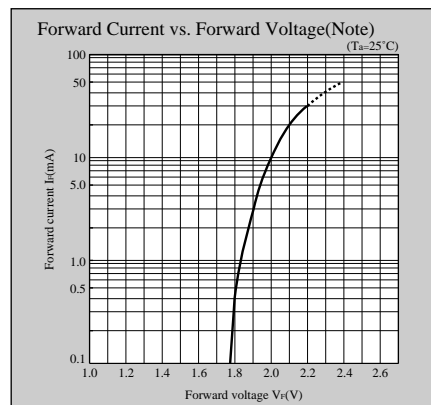
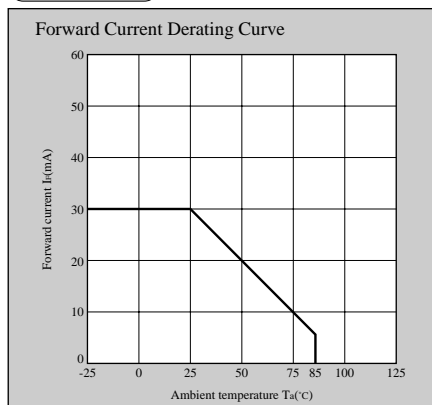
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

EG,E,F,C series



KG,K series



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

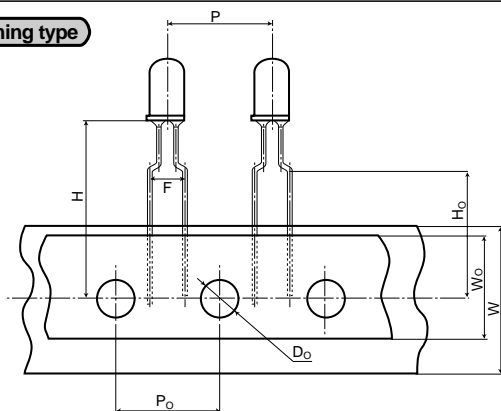
Taping Specifications

■ 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.

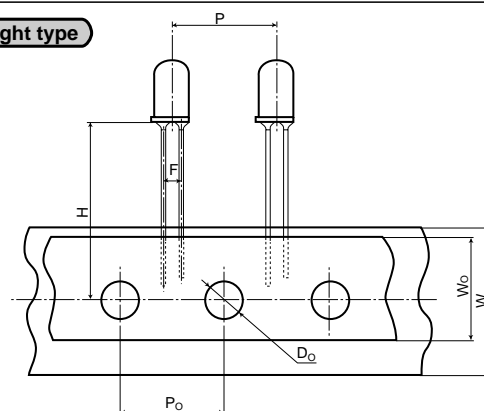
■ Taping specification(Unit : mm, TYP. value)

Forming type



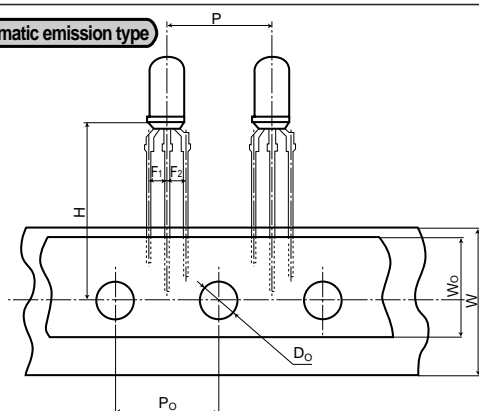
Parameter	Symbol	A	B	D
Case end height	H	23.35	19.5	21.5
Lead clinch height	H ₀	16.0		
Tape width	W	18.0		
Adhesive tape width	W ₀	13.0		
Product pitch	P	12.7		
Sprocket hole pitch	P ₀	12.7		
Lead pitch	F	5.0		
Sprocket hole diameter	D ₀	ø4.0		

Straight type



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

Dichromatic emission type



Parameter	Symbol	Size (mm)
Case end height	H	19.5
Lead clinch height	H ₀	—
Tape width	W	18.0
Adhesive tape width	W ₀	13.0
Product pitch	P	12.7
Sprocket hole pitch	P ₀	12.7
Lead pitch	F ₁ , F ₂	2.54
Sprocket hole diameter	D ₀	ø4.0

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 - Alarm equipment
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