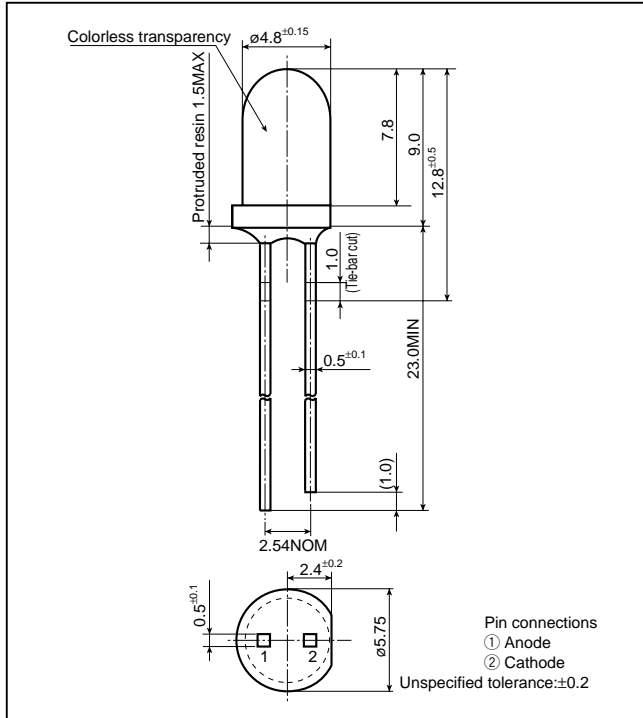


# GL5□□43 series

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

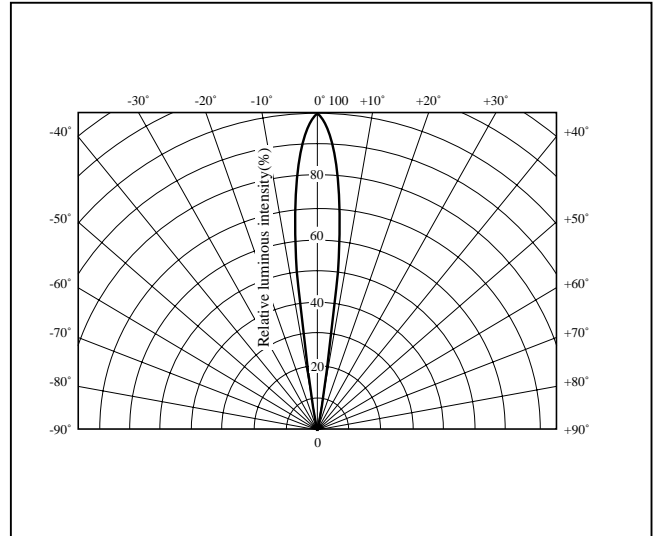
### Outline Dimensions

(Unit : mm)



### Directive Characteristics

(Ta=25°C)



### Absolute Maximum Ratings

(Ta=25°C)

Model No.	Emitting color	Material	Power dissipation P (mW)	Forward current 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				
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)

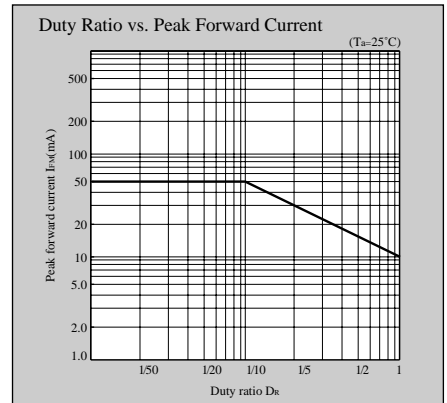
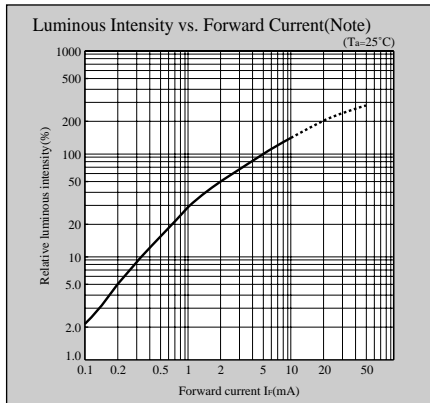
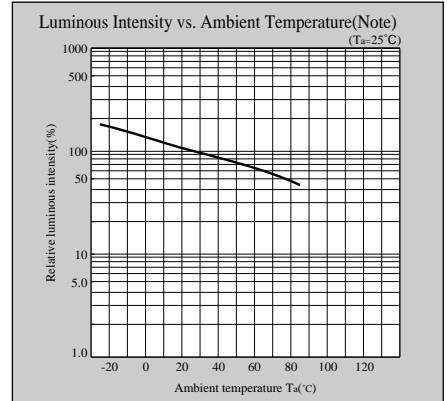
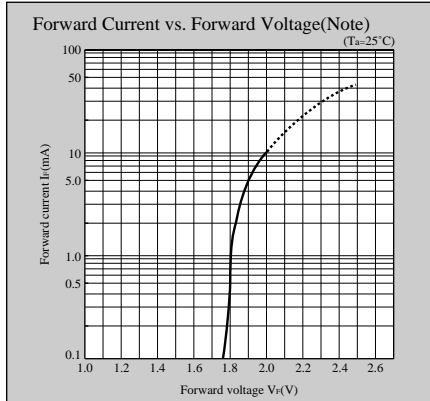
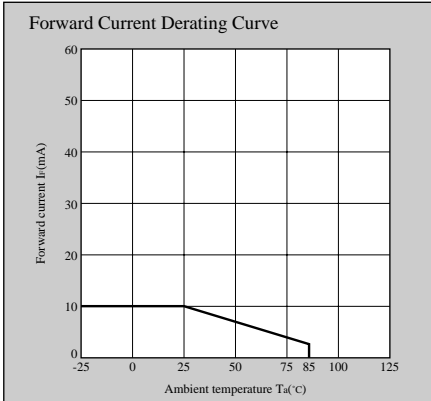
### Electro-optical Characteristics

(Ta=25°C)

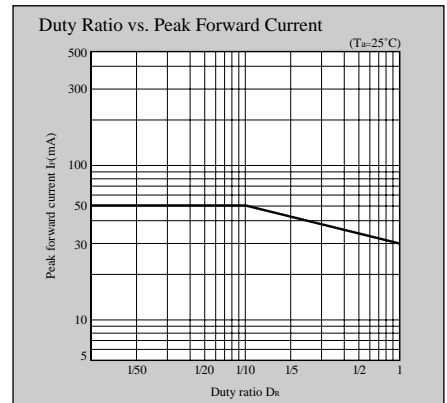
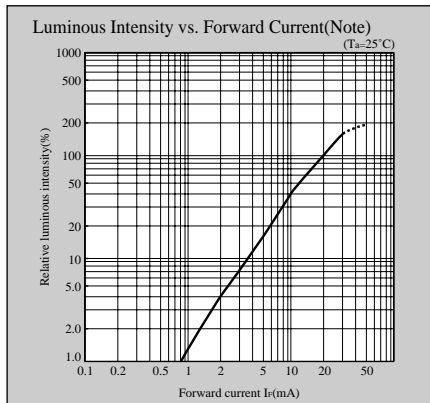
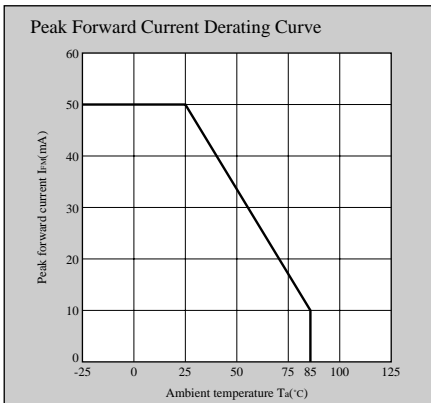
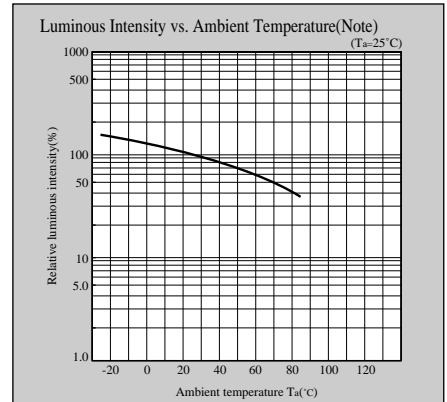
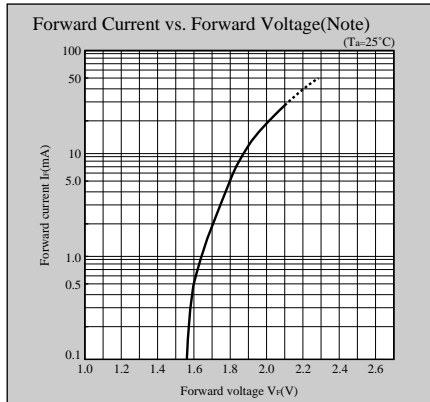
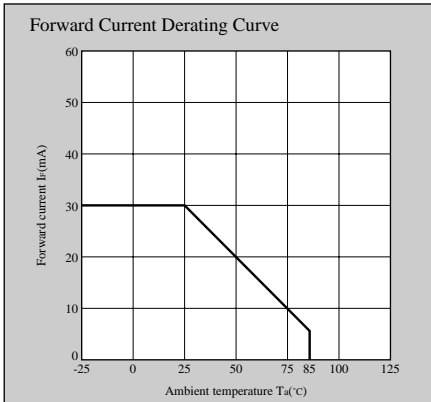
Lens type	Model No.	Forward voltage VF(V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX	λp(nm) TYP	IF (mA)	Iv(mcd) TYP	IF (mA)	Δλ(nm) TYP	IF (mA)	IR(μA) MAX	VR (V)	Ct(pF) TYP	(MHz)	
Colorless 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



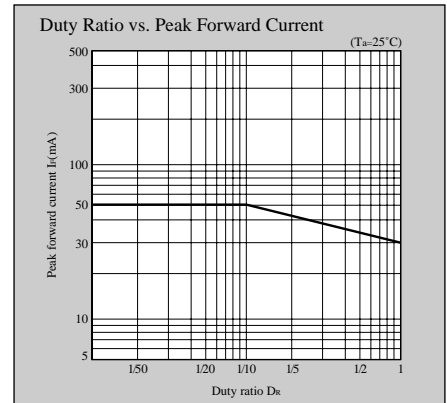
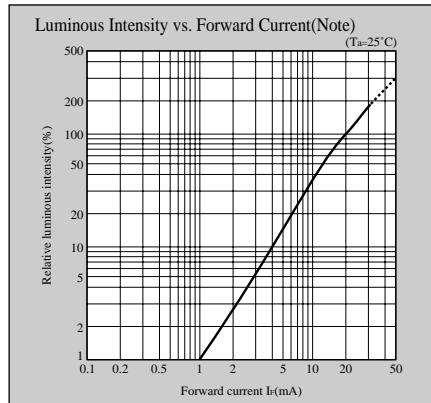
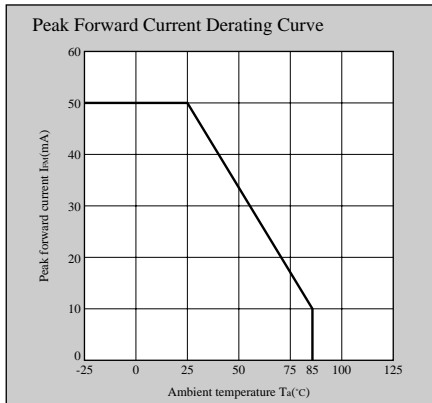
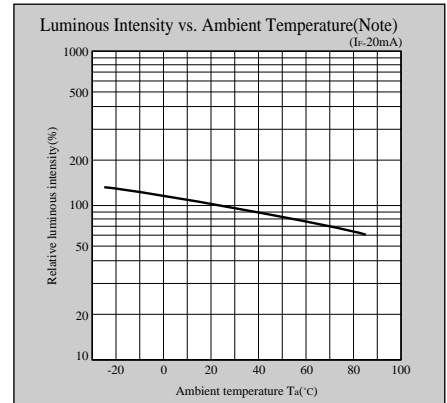
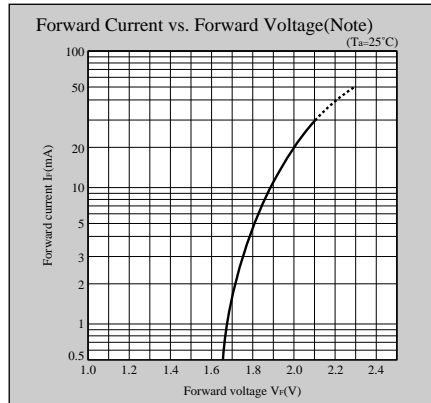
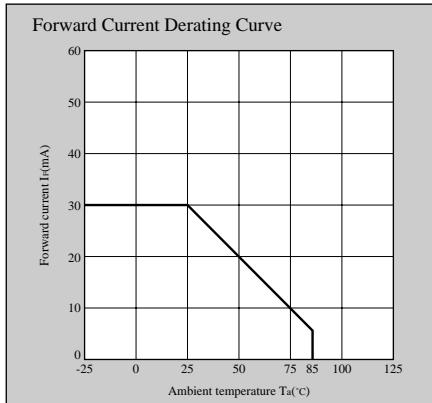
## HD,D series



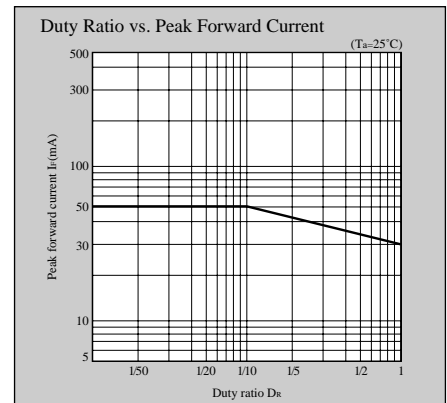
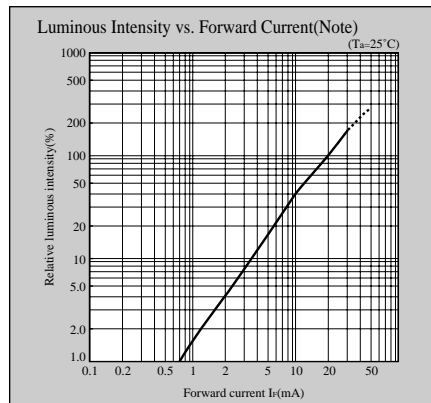
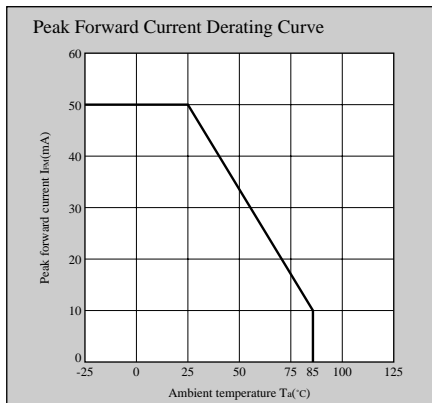
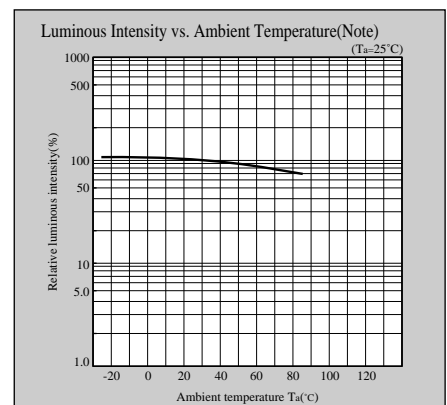
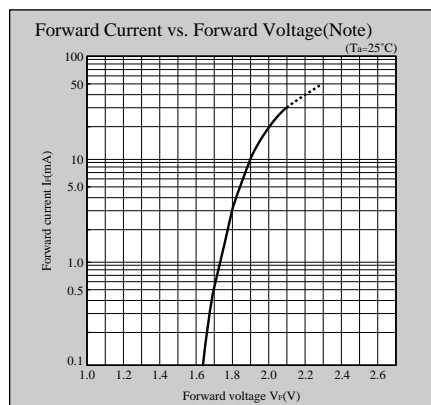
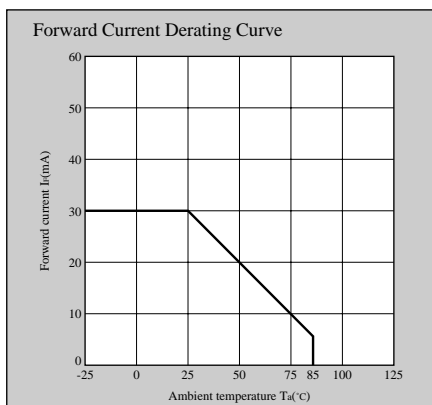
Note) Characteristics shown in diagrams are typical values. (not assurance value)

# Characteristics Diagrams

## HS,S series



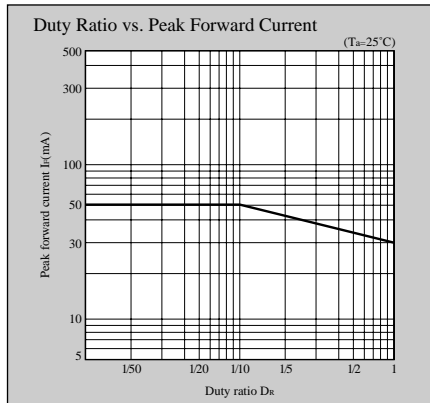
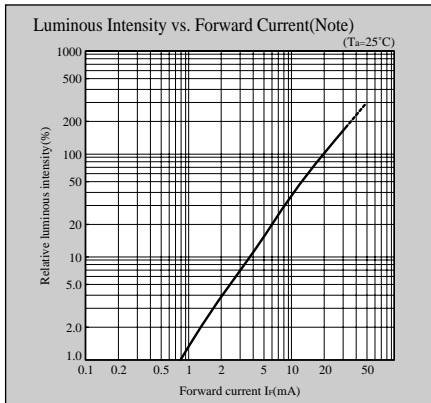
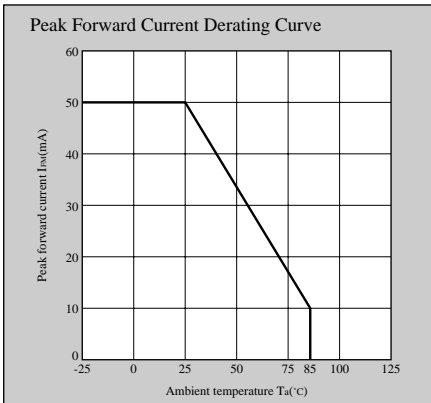
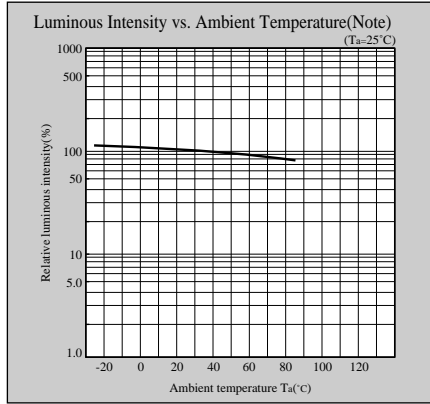
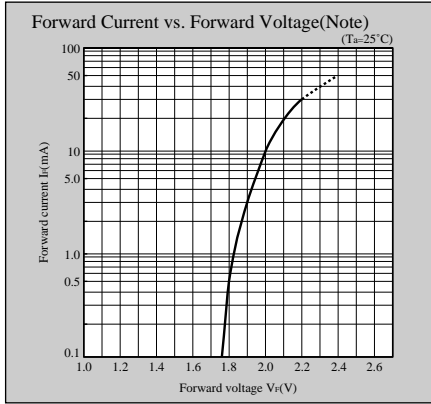
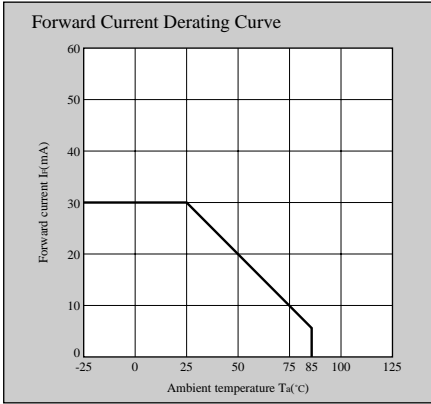
## HY,H series



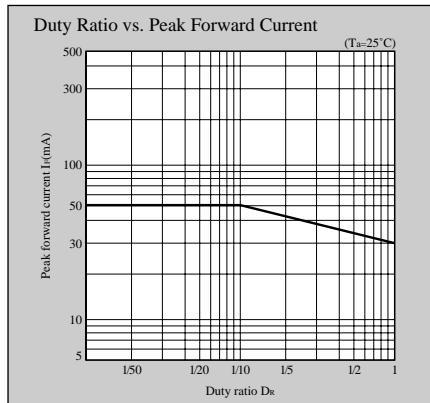
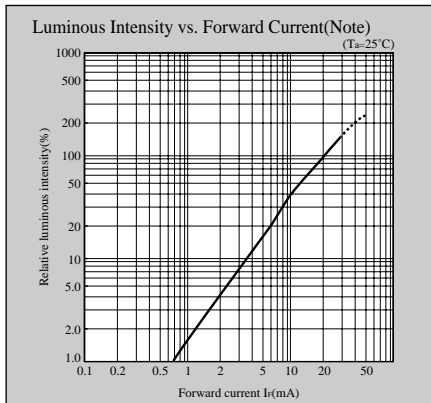
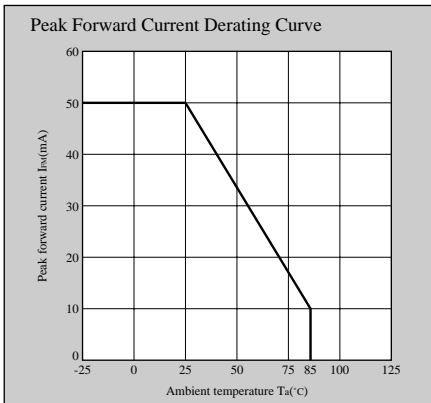
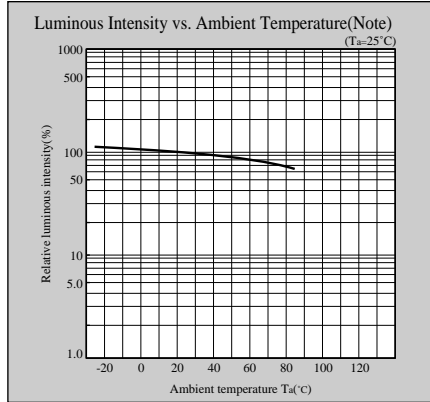
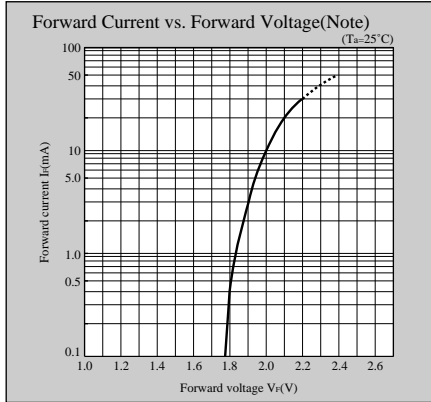
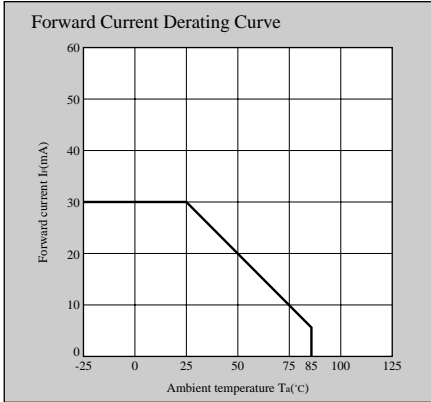
Note) Characteristics shown in diagrams are typical values. (not assurance value)

# Characteristics Diagrams

## EG,E,F,C series



## KG,K series



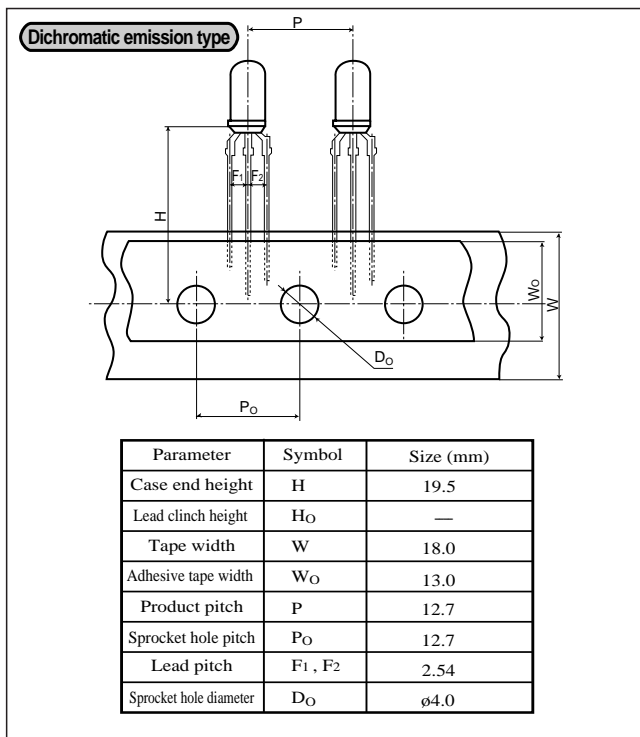
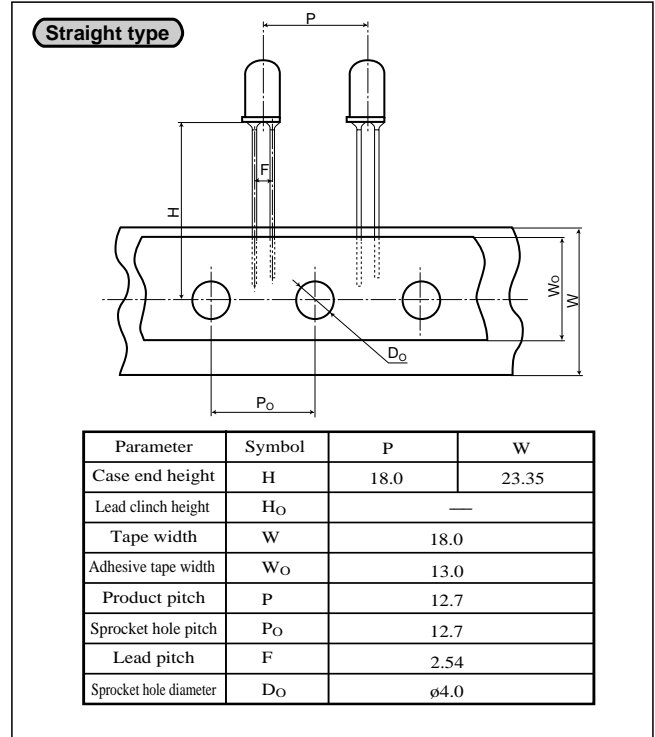
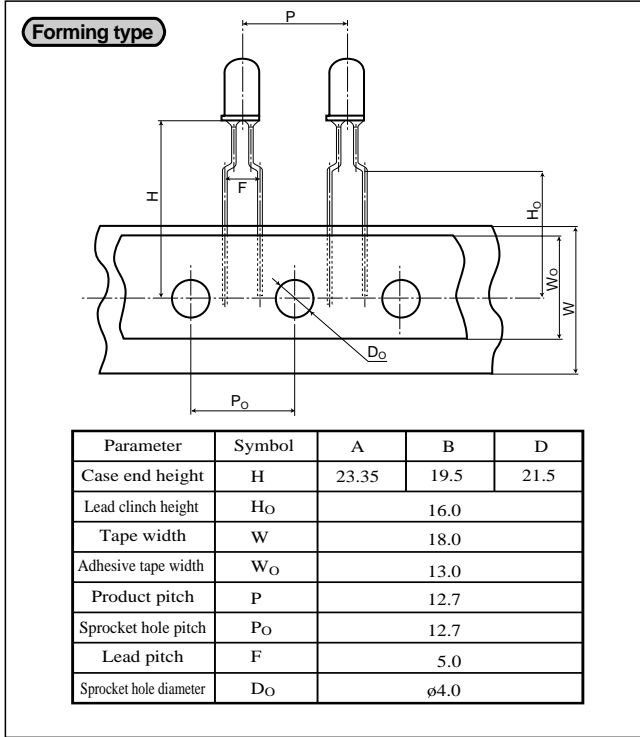
Note) Characteristics shown in diagrams are typical values. (not assurance value)

# 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
    - Various safety devices, etc.
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