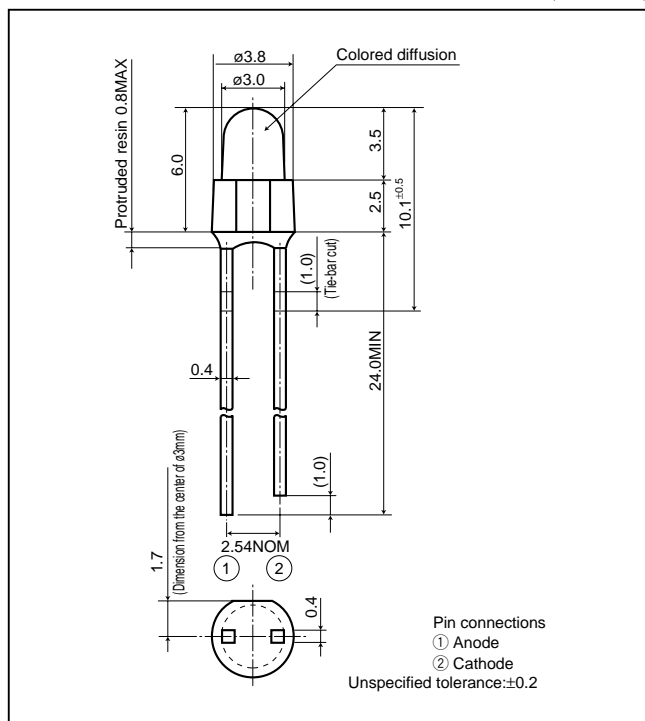


LT3□31W series

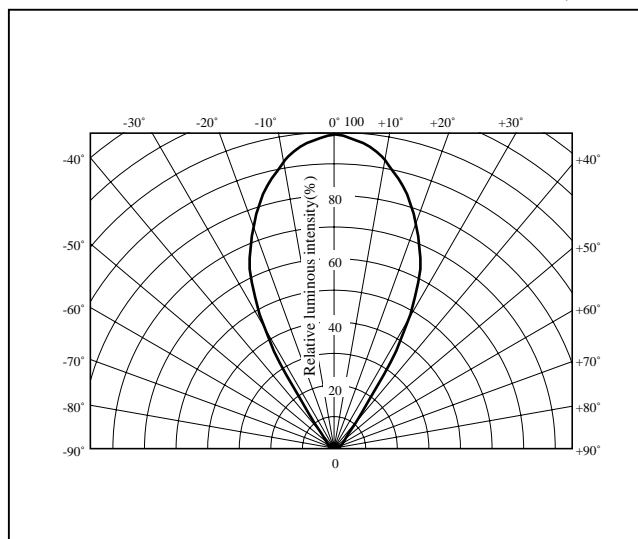
ø3mm(T-1), Cylinder Type(Thick Flange),
Colored Diffusion, Tape-packaged LED
Lamps for Surface Mount

■ Outline Dimensions

(Unit : mm)



■ Directive Characteristics

(T_a=25°C)

■ Absolute Maximum Ratings

(T_a=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				
LT3P31W	Red	GaP	23	10	50	0.13	0.67	5	-25 to +85	-25 to +100	260
LT3D31W	Red	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
LT3H31W	Yellow	GaAsP on GaP	84	30	50	0.40	0.67	5	-25 to +85	-25 to +100	260
LT3E31W	Yellow-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)

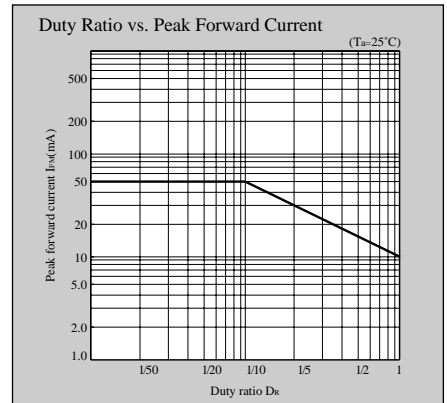
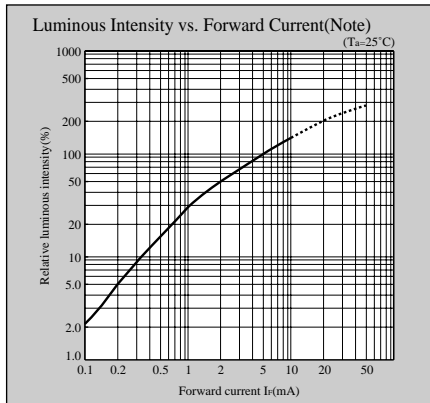
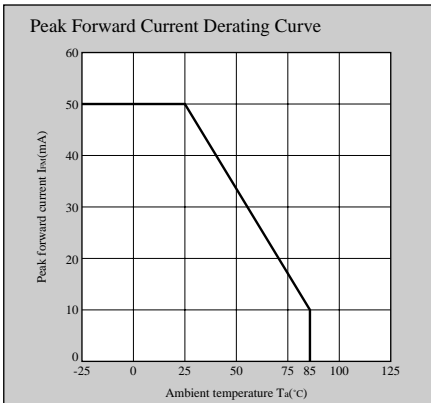
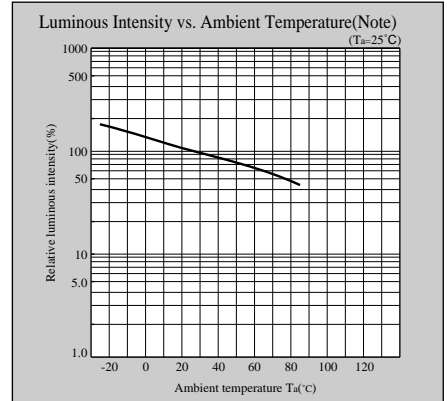
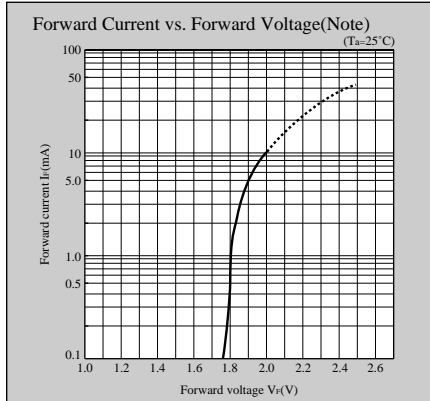
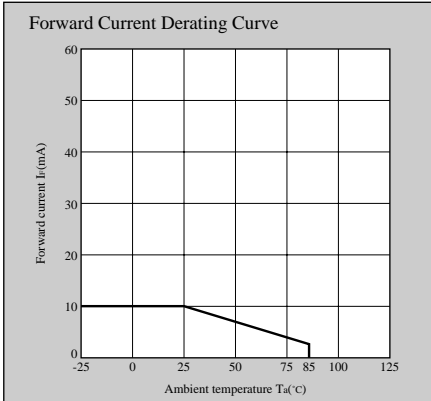
■ Electro-optical Characteristics

(T_a=25°C)

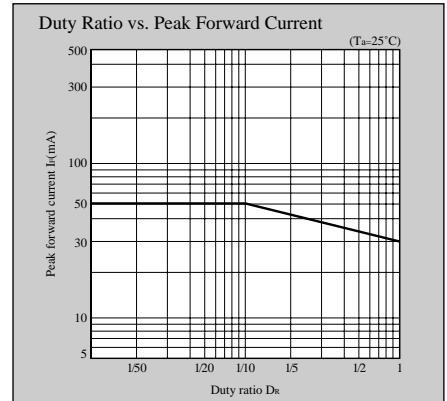
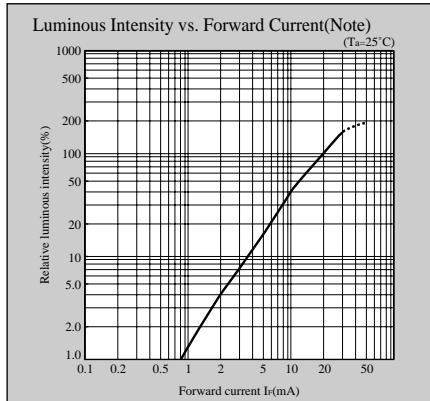
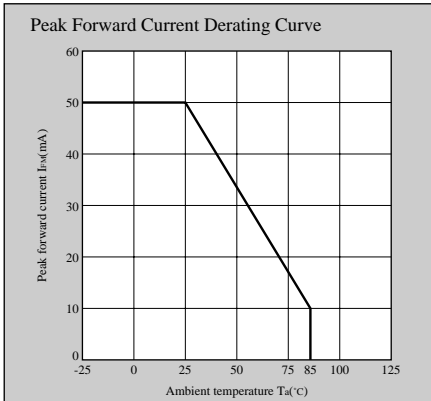
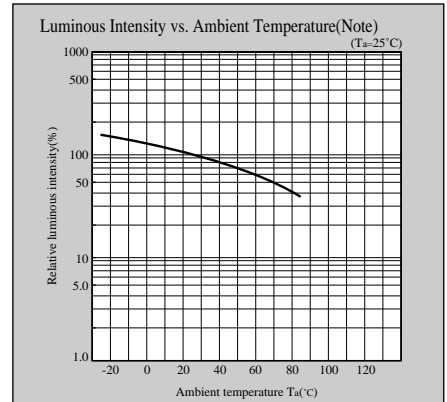
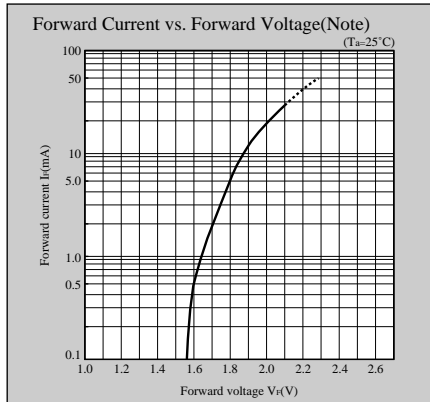
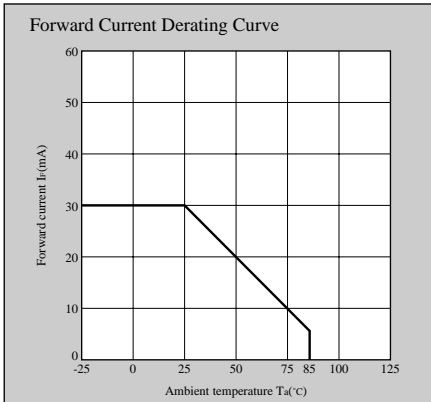
Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX	λ _p (nm) TYP	I _F (mA)	I _v (mcd) TYP	I _F (mA)	Δλ(nm) TYP	I _F (mA)	I _R (μA) MAX	V _R (V)	C _t (pF) TYP	(MHz)	
Colored diffusion	LT3P31W	1.9	2.3	695	5	1.5	5	100	5	10	4	55	1	100
	LT3D31W	2.0	2.8	635	20	11.0	20	35	20	10	4	20	1	100
	LT3H31W	2.0	2.8	585	20	15.0	20	30	20	10	4	35	1	101
	LT3E31W	2.1	2.8	565	20	18.0	20	30	20	10	4	35	1	102

Characteristics Diagrams

PR,P series



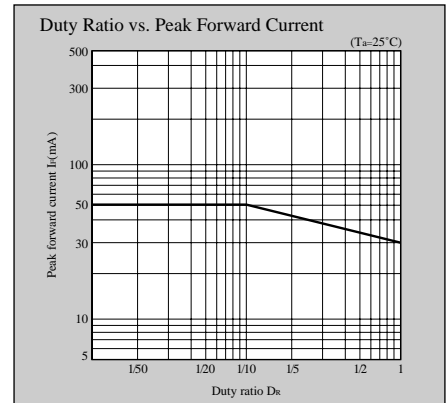
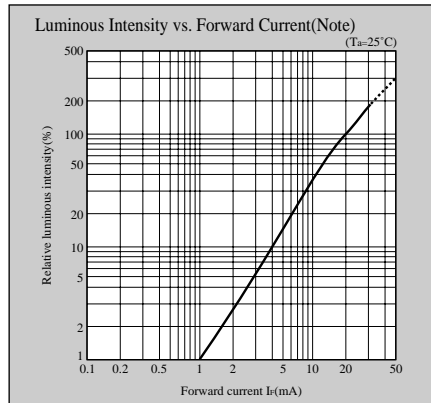
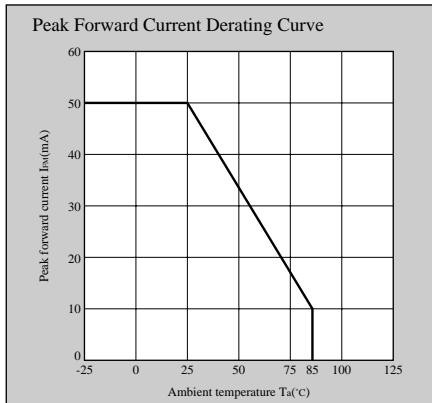
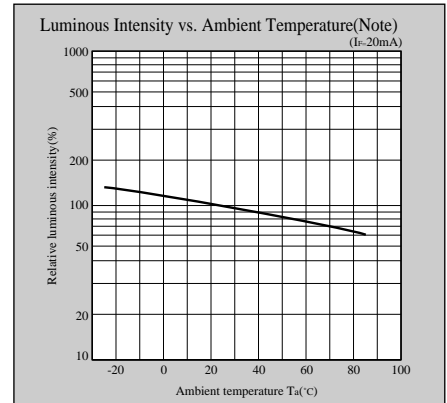
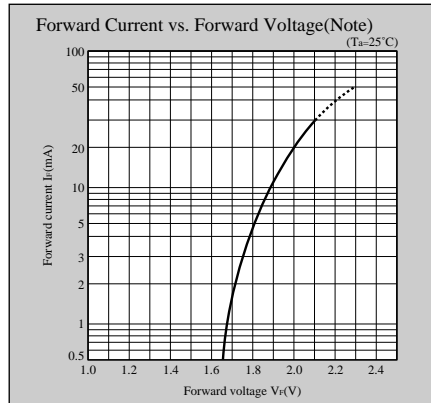
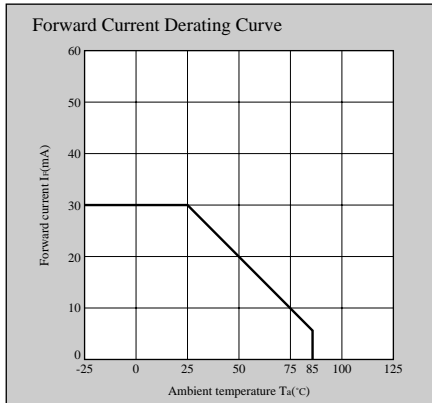
HD,D series



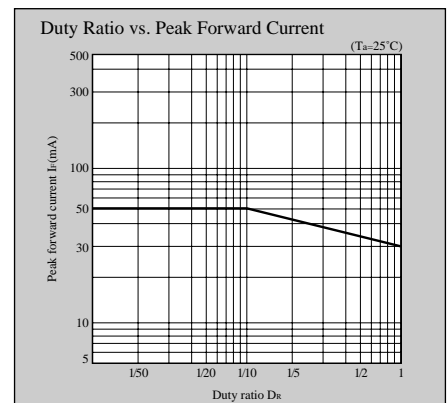
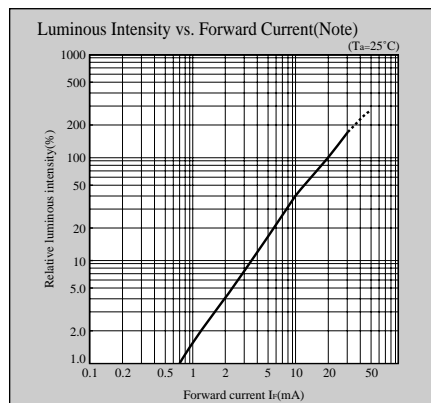
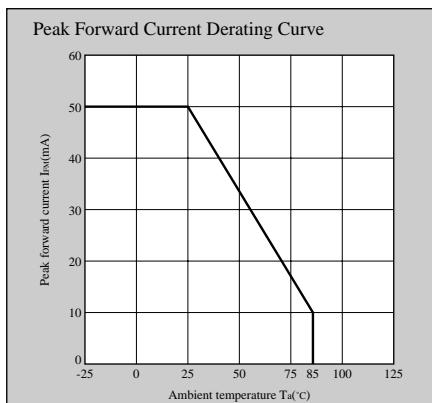
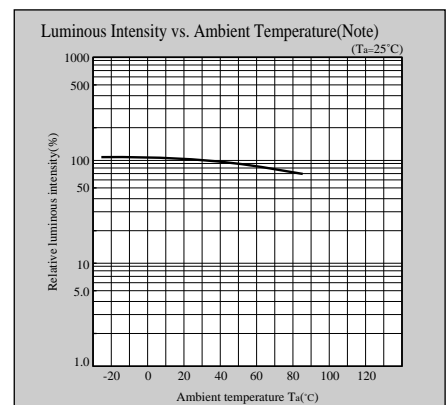
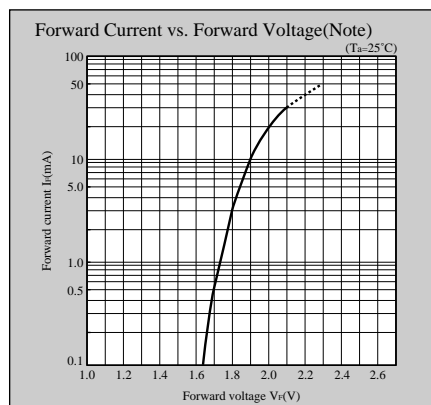
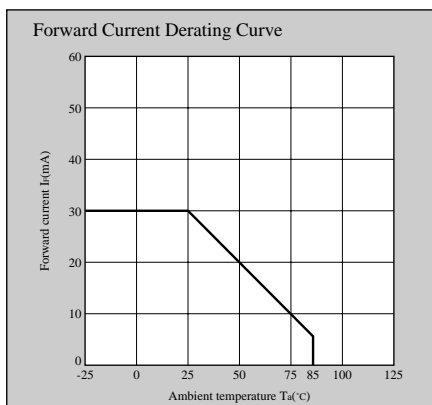
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

HS,S series



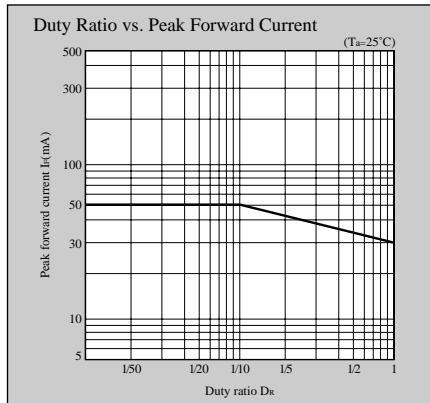
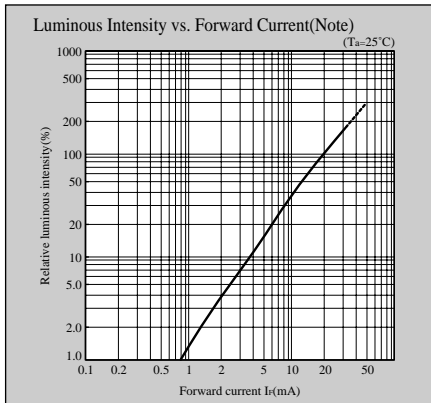
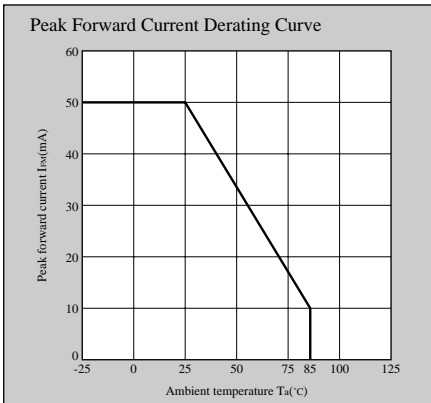
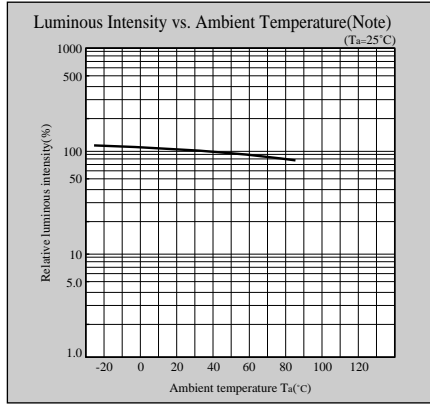
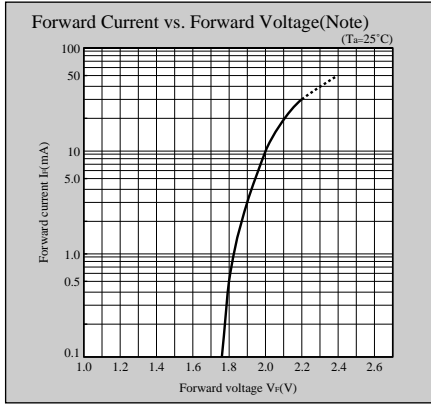
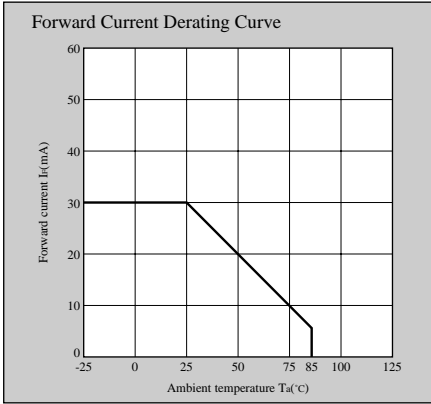
HY,H series



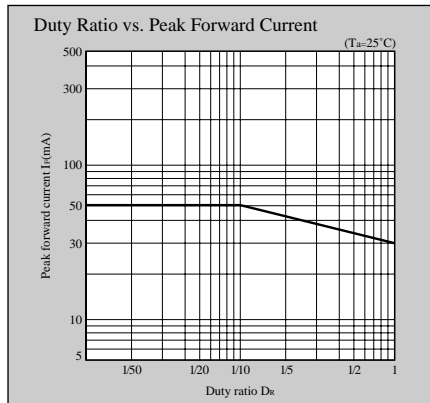
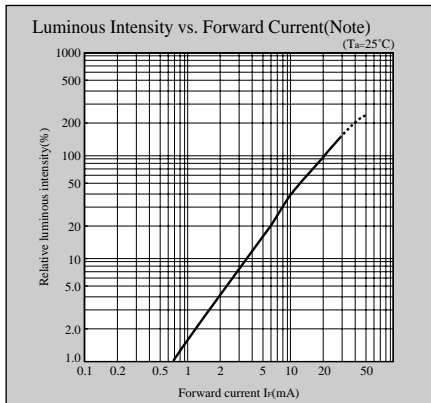
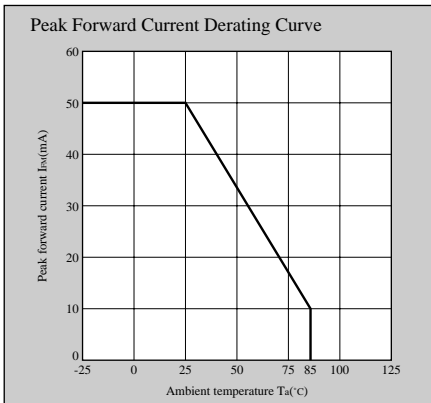
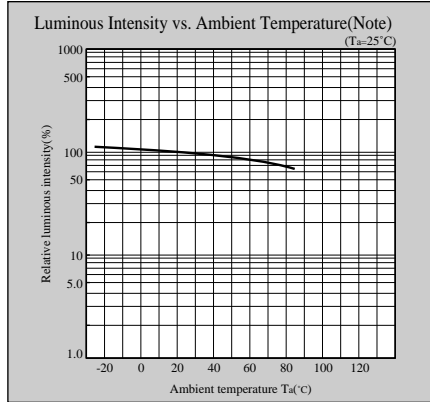
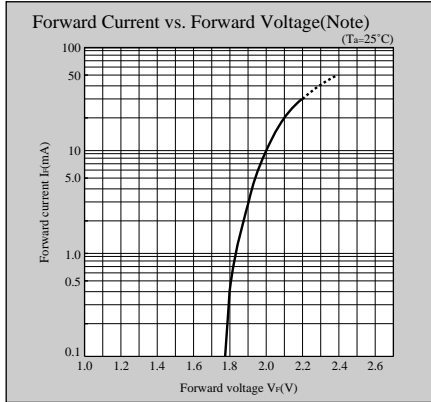
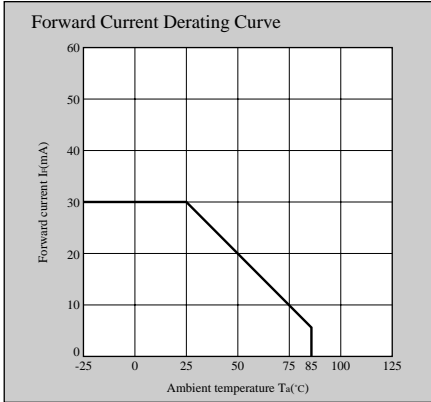
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

EG,E,F,C series



KG,K series



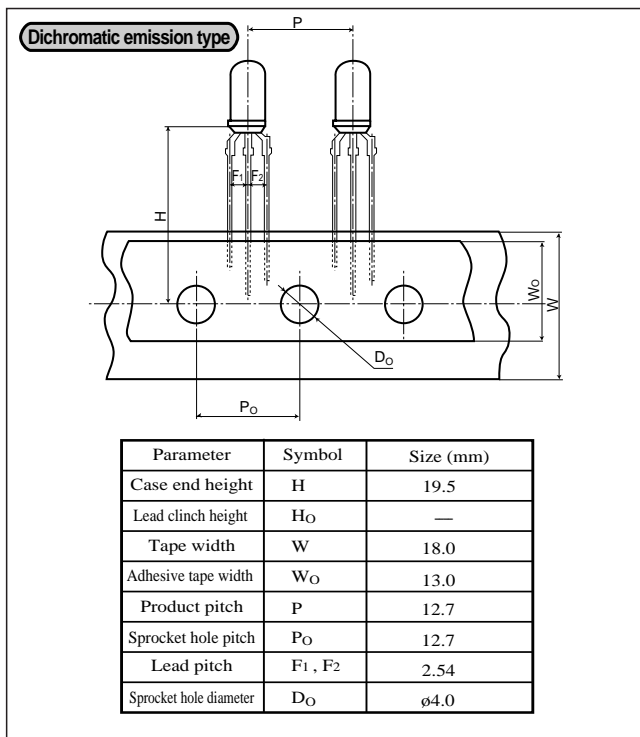
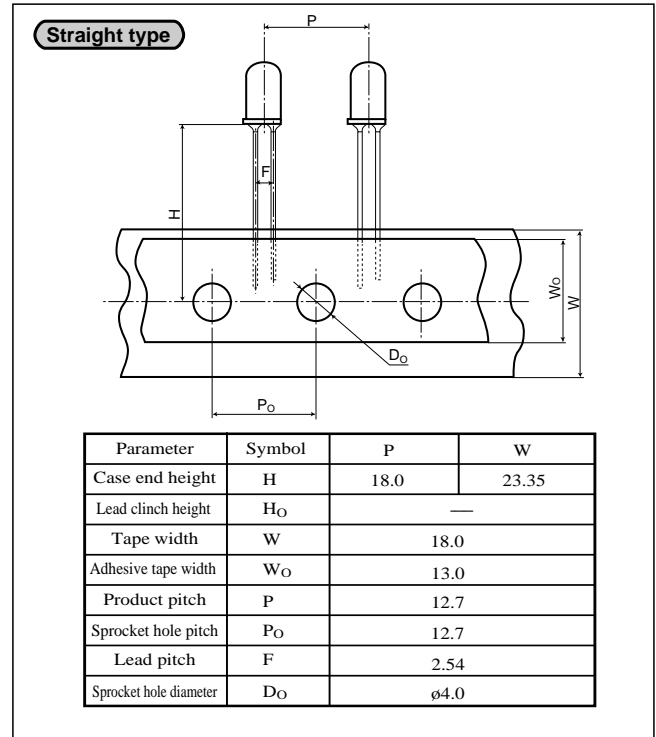
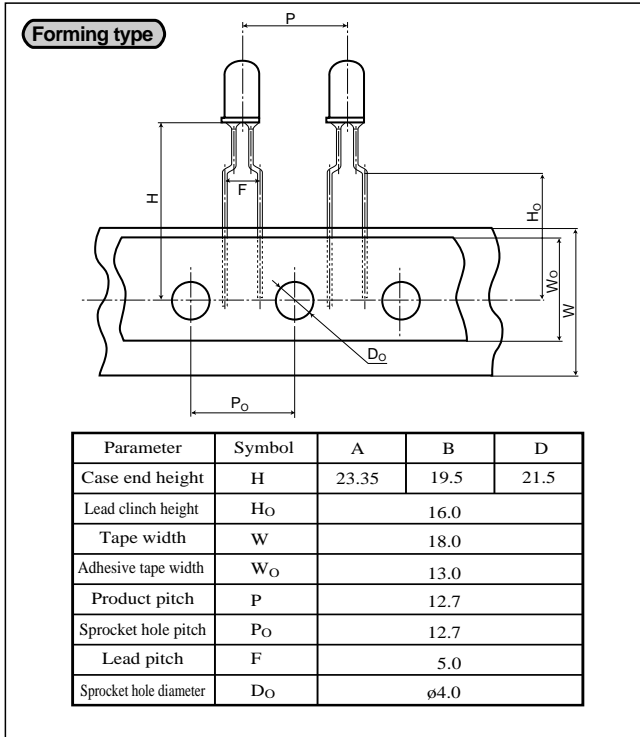
Note) Characteristics shown in diagrams are typical values. (not assurance value)

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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 - Alarm equipment
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