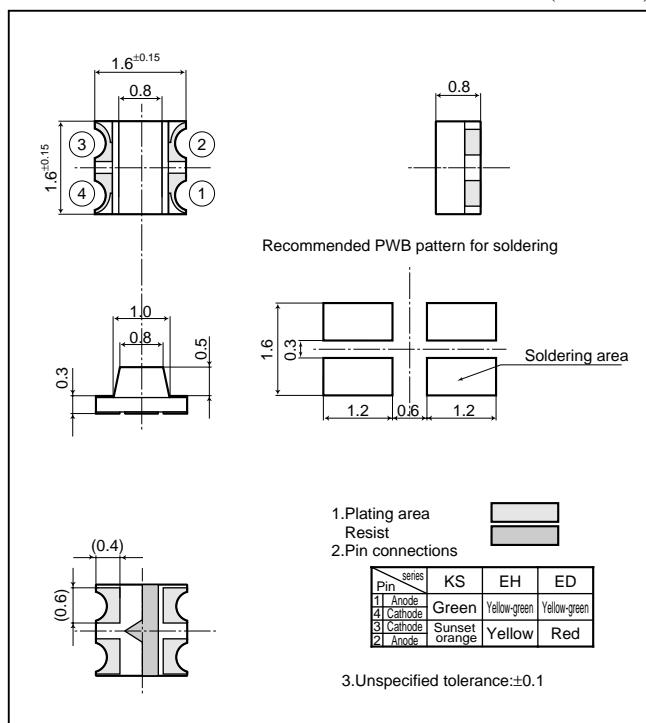
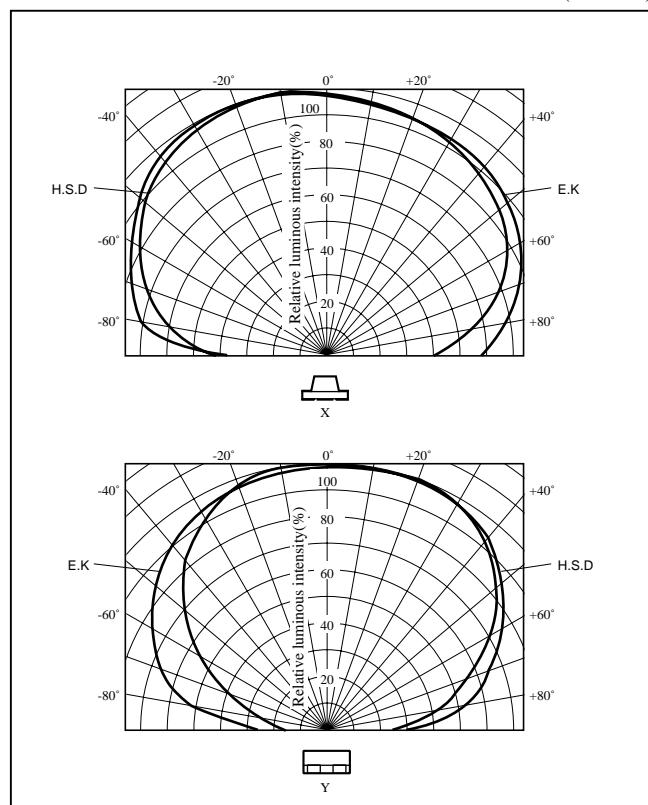


LT1□□67A series**1616 Size, 0.8mm Thickness,
Compact Dichromatic Leadless
Chip LED****■ Outline Dimensions**

(Unit : mm)

**■ Directive Characteristics**

(Ta=25°C)

**■ Absolute Maximum Ratings^{*1}**

(Ta=25°C)

Model No.	Emitting color	Material	Power dissipation P (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				
LT1EH67A	Yellow-green	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
	Yellow	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1KS67A	Green	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
	Sunset orange	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1ED67A	Yellow-green	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
	Red	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350

*1 The value is specified under the condition that either color is lightened separately. When the both diodes are lightened simultaneously, the power dissipation of each diode should be less than the half of the value specified in this table.

*2 Duty ratio=1/10, Pulse width=0.1ms

*3 For 3s or less at the temperature of hand soldering. Temperature of reflow soldering is shown on page 2.

■ Electro-optical Characteristics

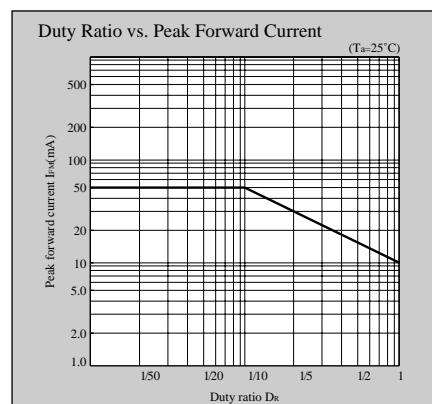
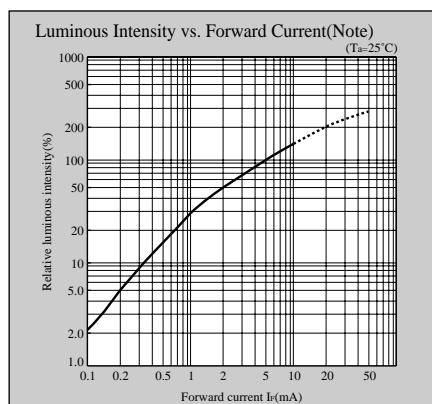
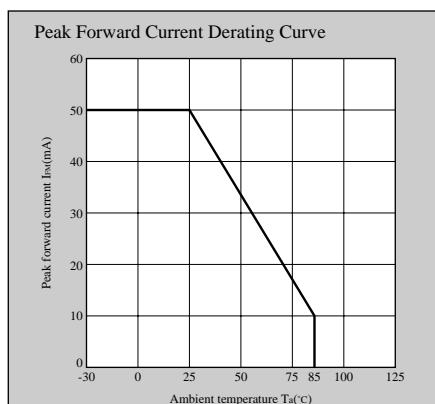
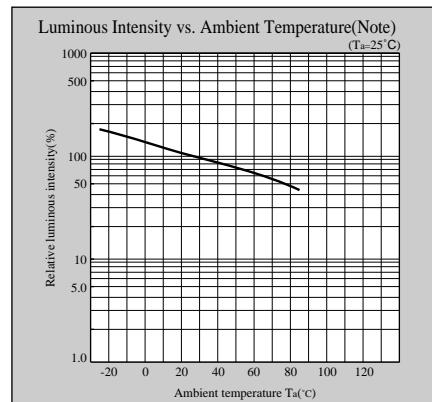
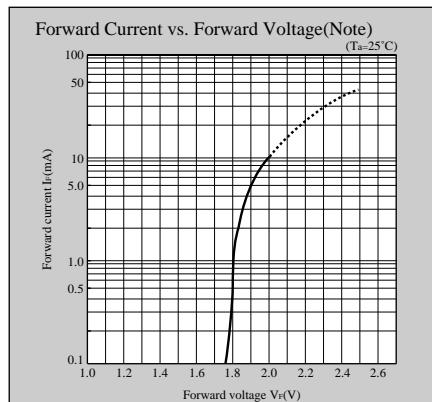
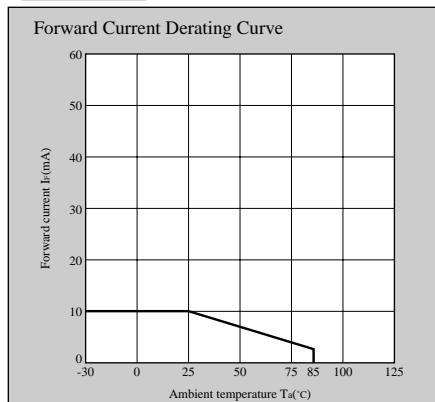
(Ta=25°C)

Lens type	Model No.	Radiation color	Forward voltage V _F (V)		Peak emission wavelength λ _p (nm) TYP	Luminous intensity I _V (mcd) TYP	Spectrum radiation bandwidth Δλ(nm) TYP	Reverse current		Terminal capacitance C _t (pF) TYP	Page for characteristics diagrams	
			TYP	MAX				I _R (μA) MAX	V _R (V)			
Milky diffusion	LT1EH67A	Yellow-green	2.1	2.8	565	20	19.0	20	30	20	10	4
		Yellow	2.0	2.8	585	20	8.3	20	30	20	10	4
	LT1KS67A	Green	2.1	2.8	555	20	3.8	20	25	20	10	4
		Sunset orange	2.0	2.8	610	20	6.9	20	35	20	10	4
LT1ED67A	Yellow-green	2.1	2.8	565	20	19.0	20	30	20	10	4	35
	Red	2.0	2.8	635	20	8.8	20	35	20	10	4	20

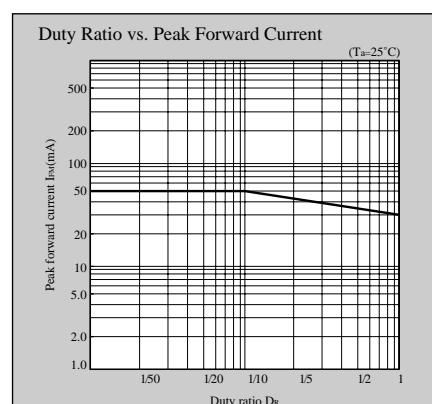
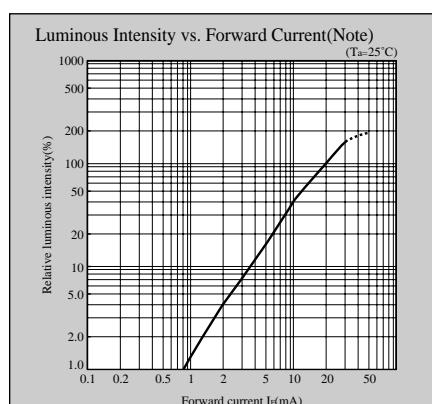
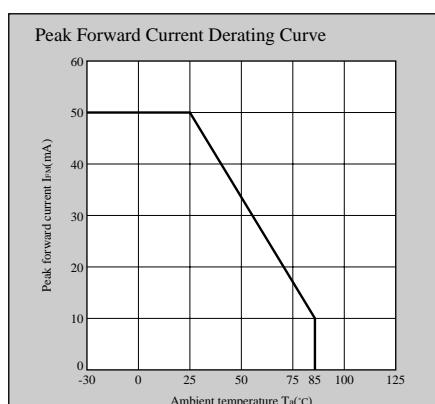
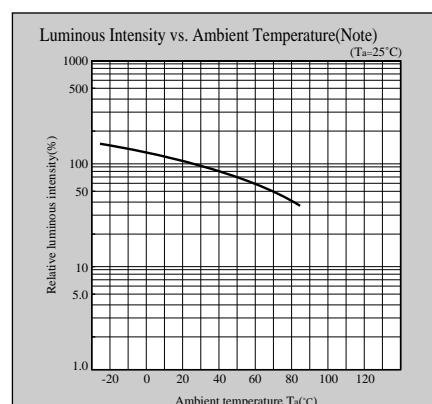
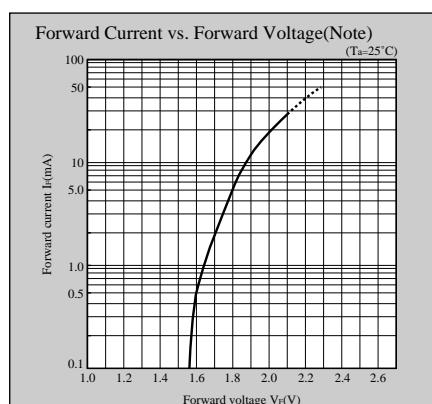
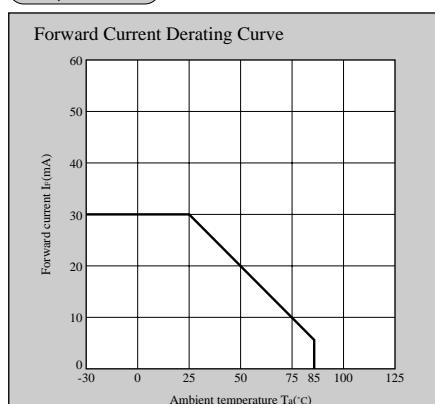
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Characteristics Diagrams

PR,P series



HD,D series

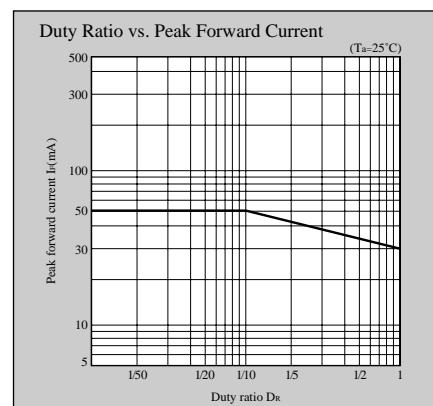
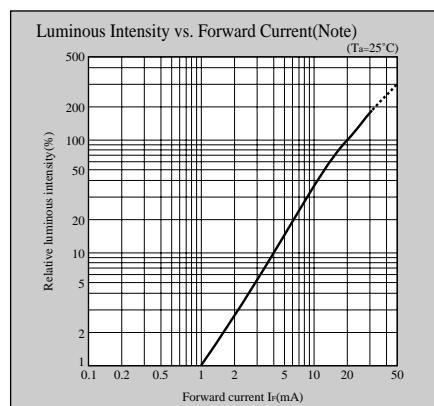
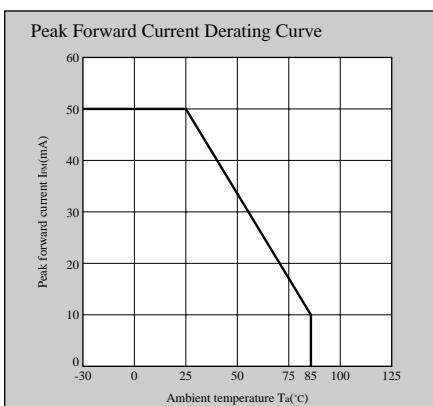
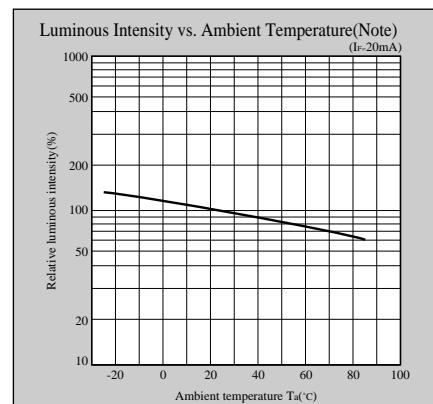
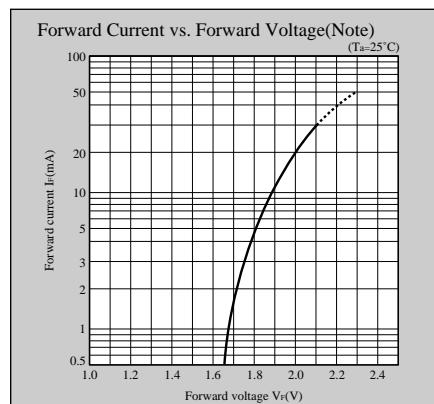
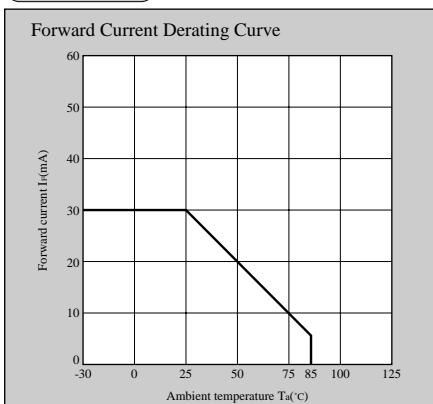


Note) Characteristics shown in diagrams are typical values. (not assurance value)

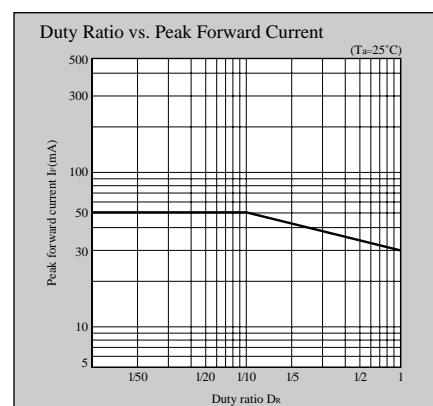
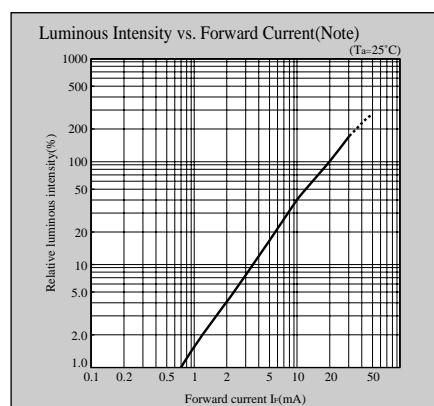
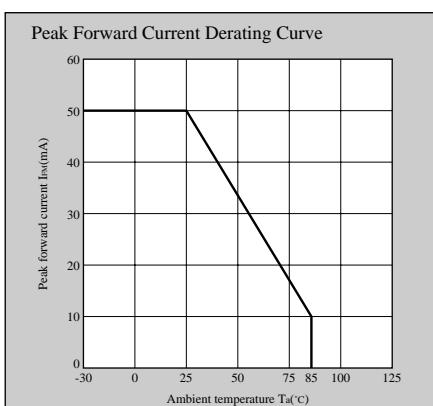
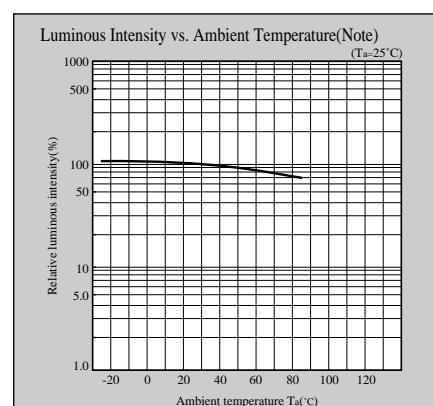
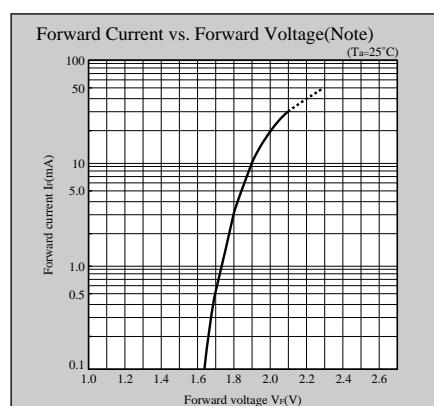
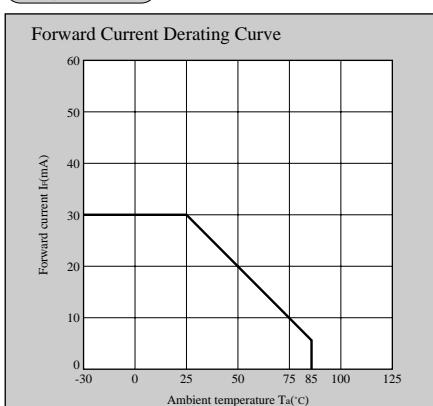
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Characteristics Diagrams

HS,S series



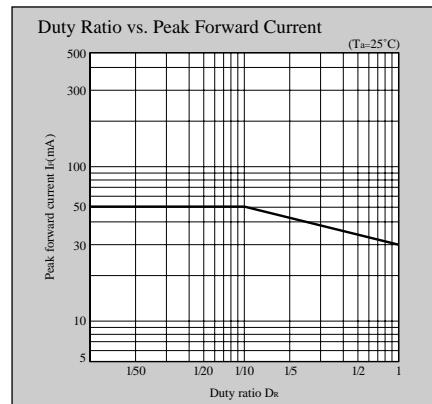
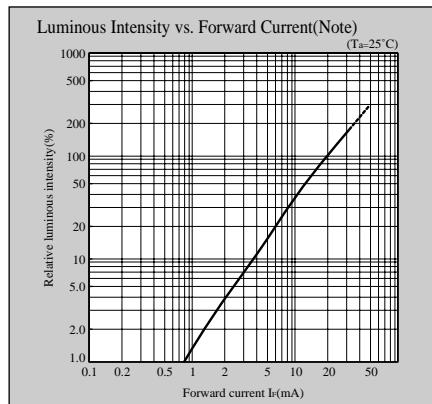
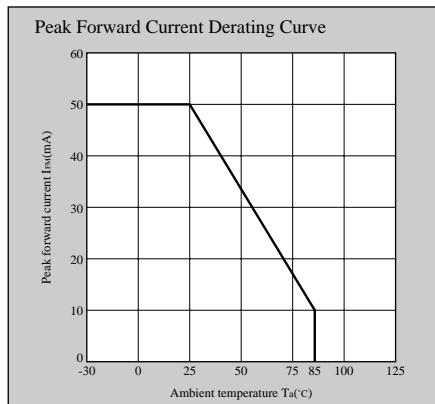
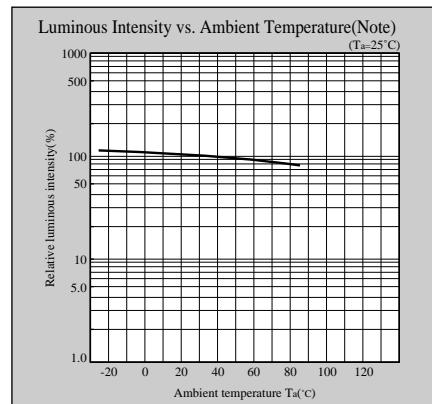
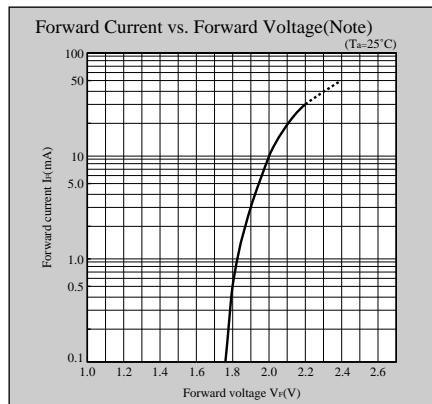
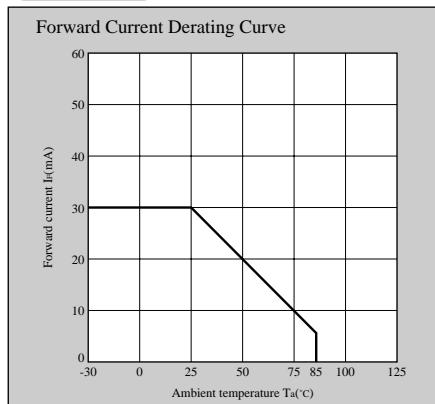
HY,H series



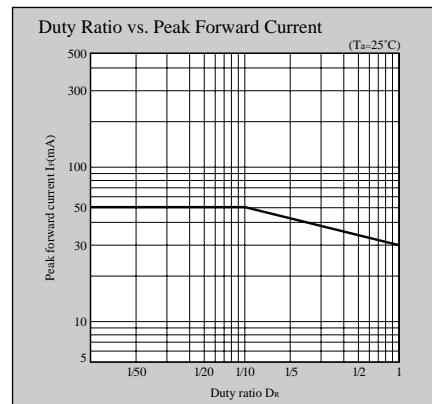
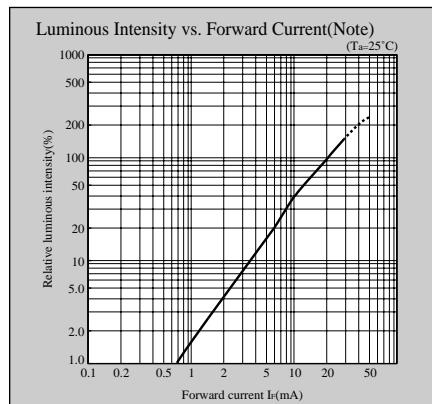
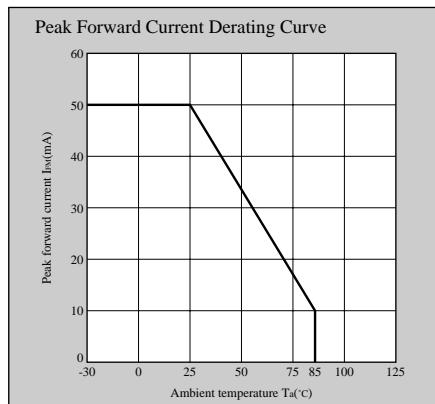
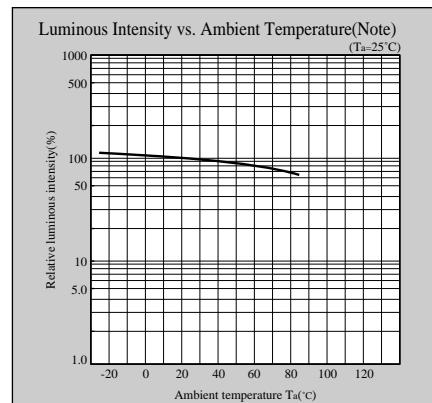
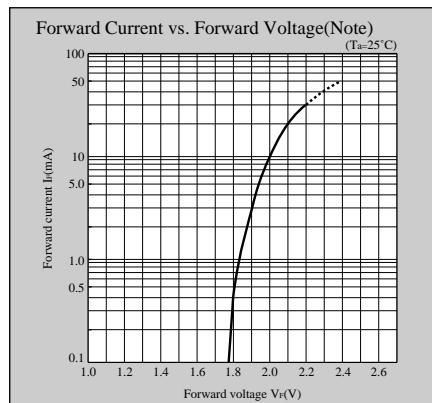
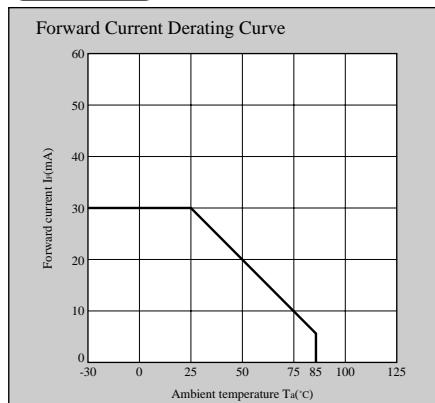
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

EG,E series



KG,K series



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- Office automation equipment
- Telecommunication equipment [terminal]
- Test and measurement equipment
- Industrial control
- Audio visual equipment
- Consumer electronics

(ii) Measures such as fail-safe function and redundant design should be taken to ensure reliability and safety when SHARP devices are used for or in connection with equipment that requires higher reliability such as:

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

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- Telecommunication equipment [trunk lines]
- Nuclear power control equipment
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