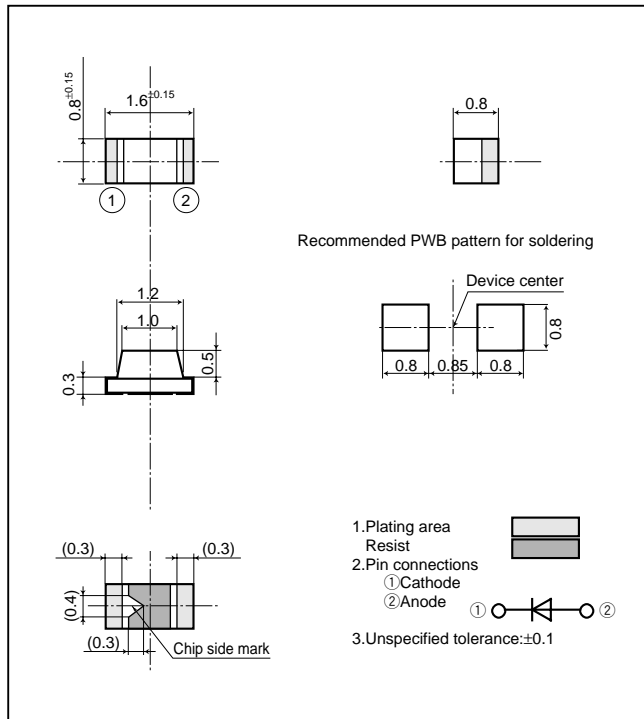


LT1□67A series

1608 Size, 0.8mm Thickness, Leadless Chip LED

■ Outline Dimensions

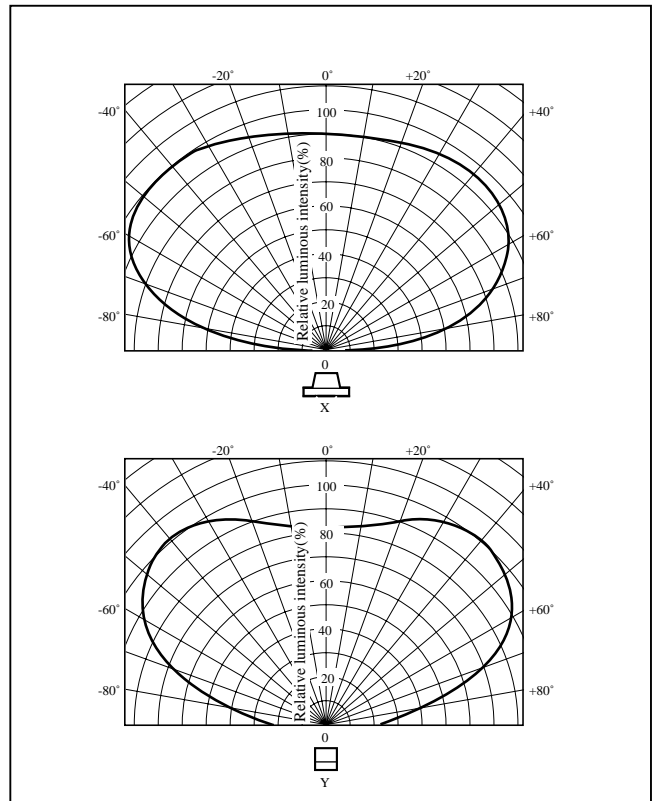
(Unit : mm)



LT1U67A: There is Anode mark on the device because polarity faces in the opposite direction.

■ 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				
LT1U67A	Red(Super-luminosity)	GaAlAs on GaAlAs	75	30	50	0.40	0.67	4	-30 to +85	-40 to +100	350
LT1P67A	Red	GaP	23	10	50	0.13	0.67	5	-30 to +85	-40 to +100	350
LT1D67A	Red	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1S67A	Sunset orange	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1H67A	Yellow	GaAsP on GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1E67A	Yellow-green	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1K67A	Green	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1F67A	Yellow-green(High-luminosity)	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350
LT1F67AF	Yellow-green	GaP	84	30	50	0.40	0.67	5	-30 to +85	-40 to +100	350

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

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

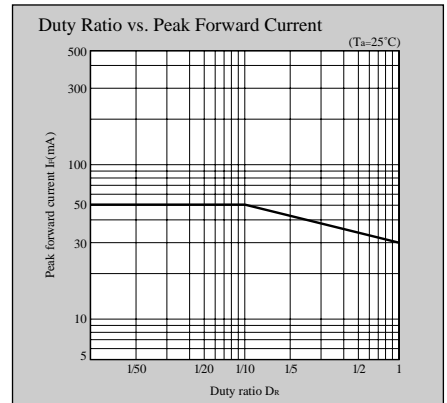
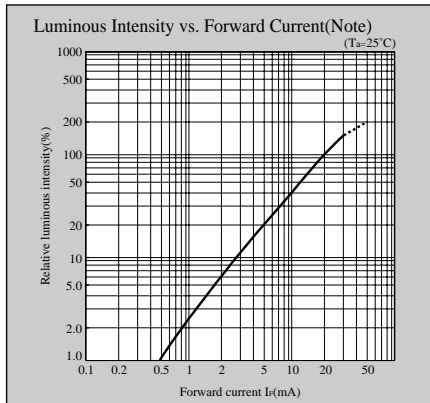
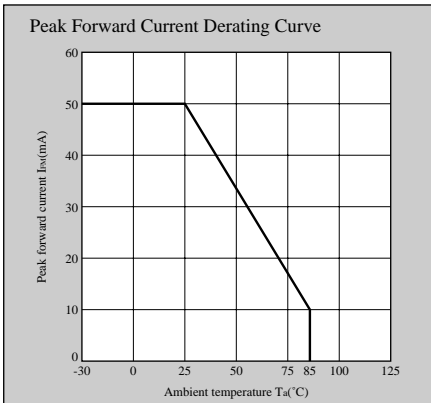
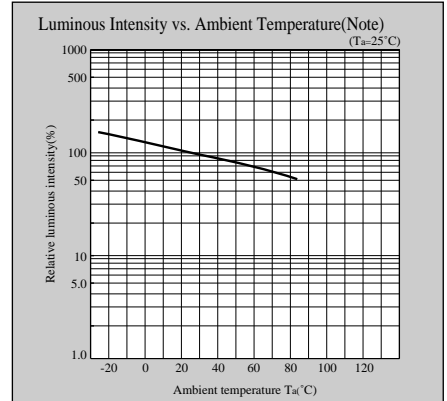
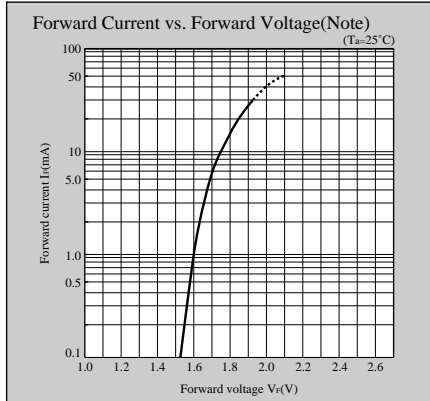
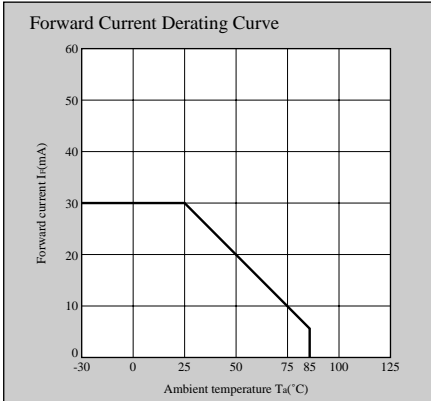
■ Electro-optical Characteristics

(T_a=25°C)

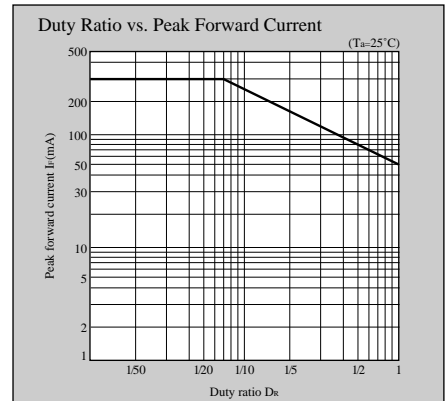
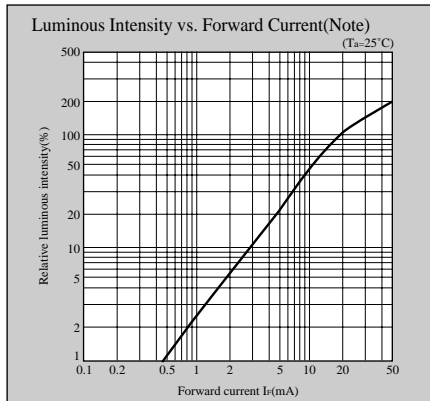
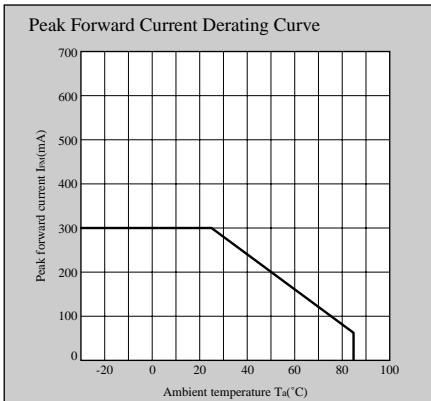
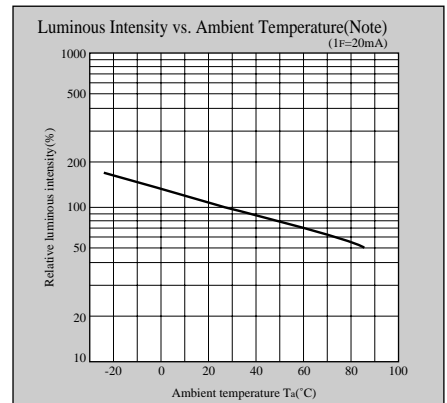
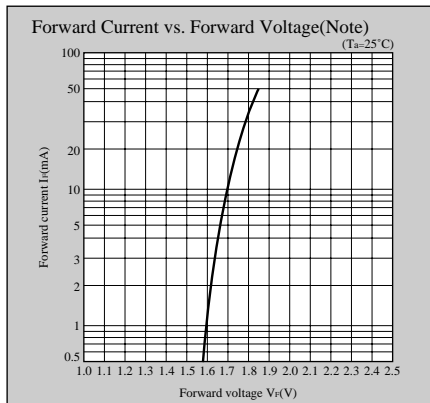
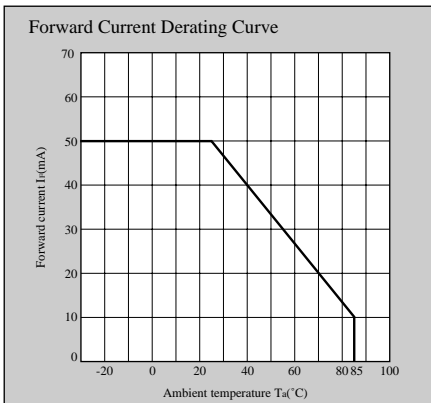
Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX	λ _p (nm) TYP	I _F (mA)	I _v (mcd) TYP	I _F (mA)	Δλ(nm) TYP	I _F (mA)	I _R (μA) MAX	V _R (V)	C _t (pF) TYP	(MHz)	
Milky diffusion	LT1U67A	1.85	2.5	660	20	29.7	20	20	20	100	4	25	1	46
	LT1P67A	1.9	2.3	695	5	1.3	5	100	5	10	4	55	1	47
	LT1D67A	2.0	2.8	635	20	8.8	20	35	20	10	4	20	1	47
	LT1S67A	2.0	2.8	610	20	6.9	20	35	20	10	4	15	1	48
	LT1H67A	2.0	2.8	585	20	8.3	20	30	20	10	4	35	1	48
	LT1E67A	2.1	2.8	565	20	11.0	20	30	20	10	4	35	1	49
	LT1K67A	2.1	2.8	555	20	3.8	20	25	20	10	4	40	1	49
	LT1F67A	2.1	2.8	570	20	19.0	20	30	20	10	4	35	1	49
	LT1F67AF	2.1	2.8	570	20	23.0	20	30	20	10	4	35	1	49

Characteristics Diagrams

UR,U series



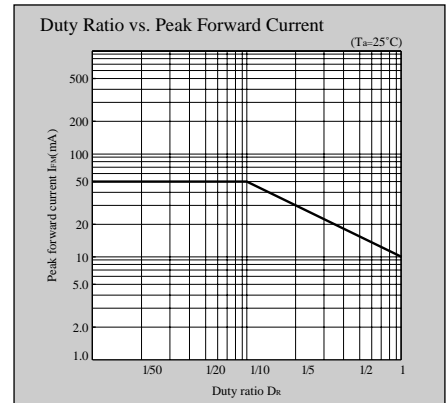
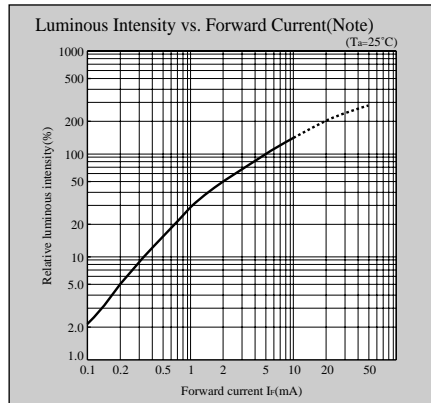
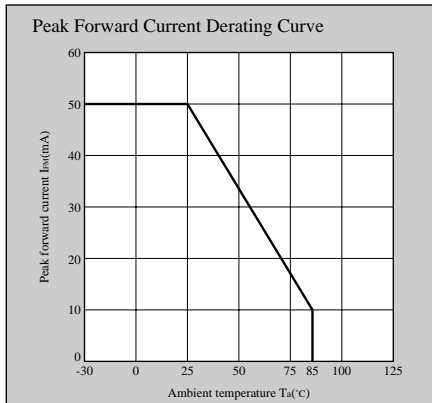
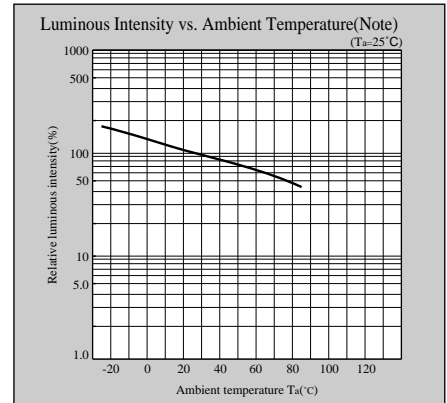
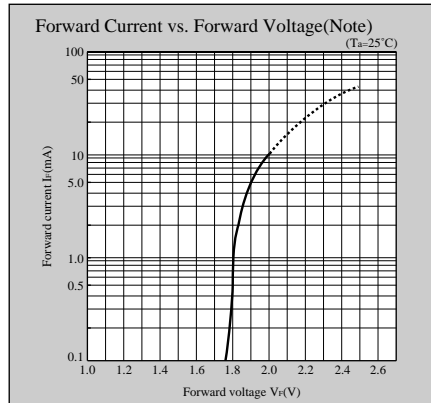
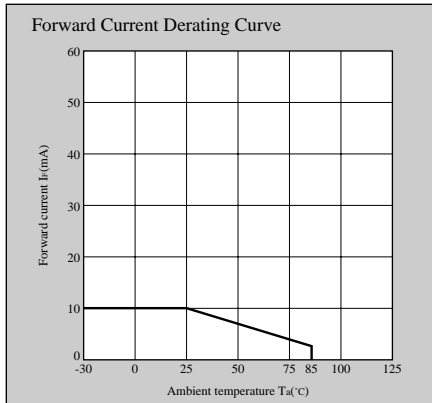
TR,T series



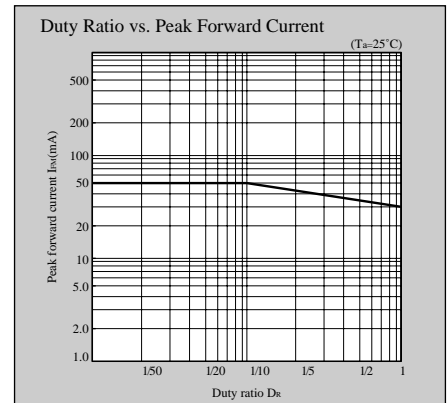
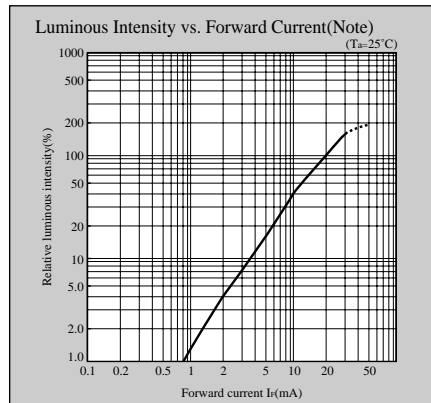
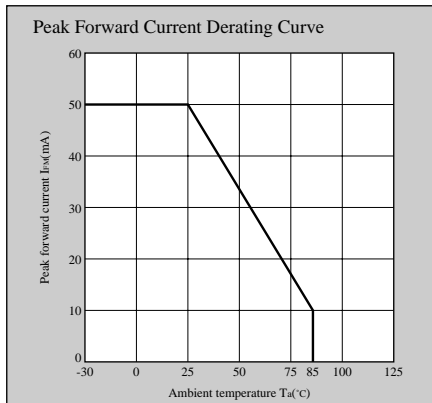
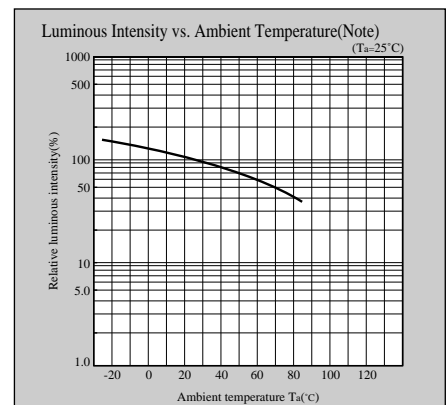
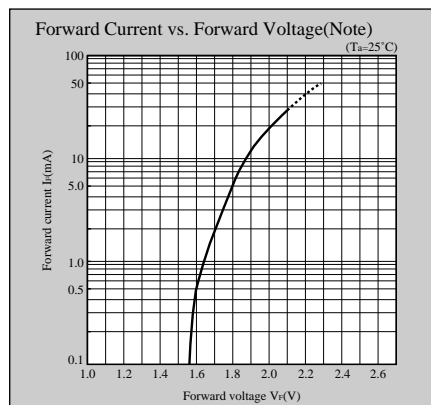
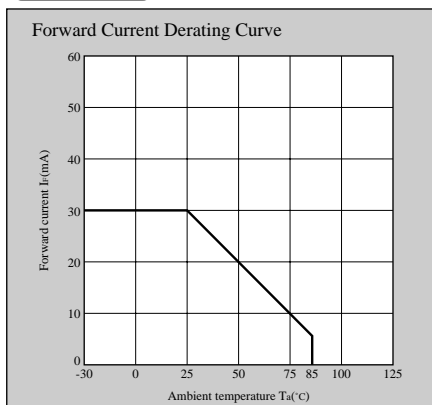
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

PR,P series



HD,D series



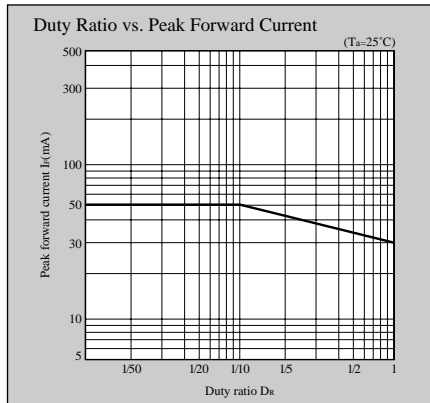
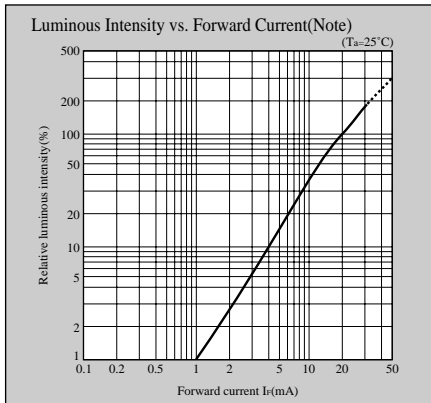
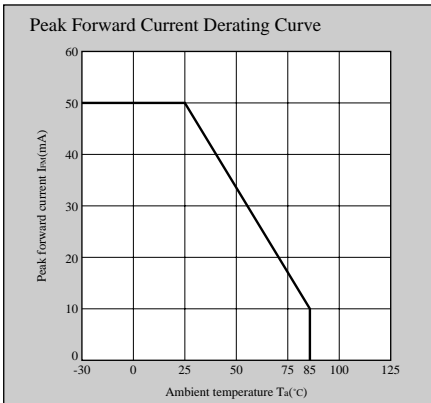
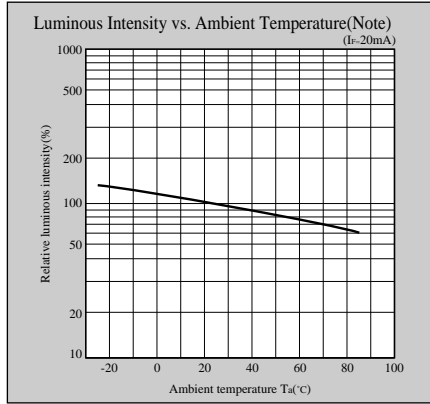
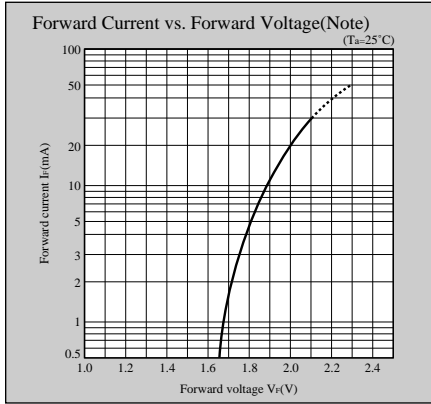
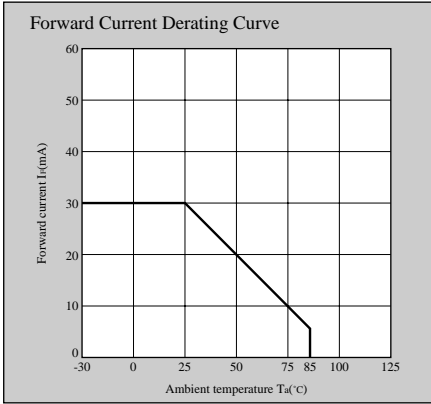
Note) Characteristics shown in diagrams are typical values. (not assurance value)

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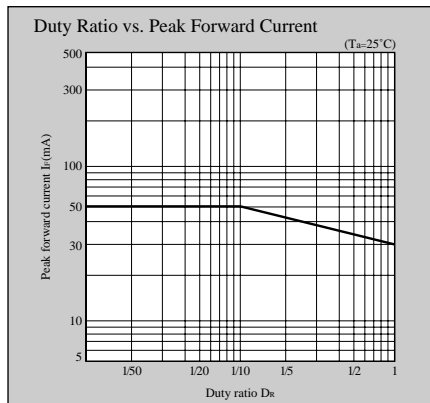
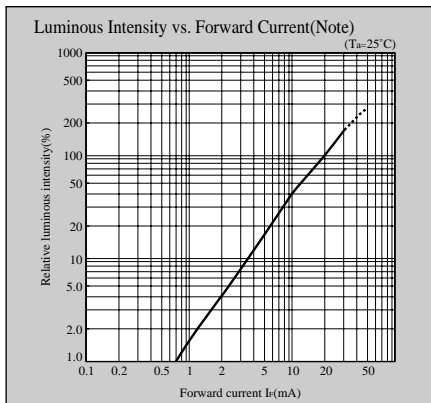
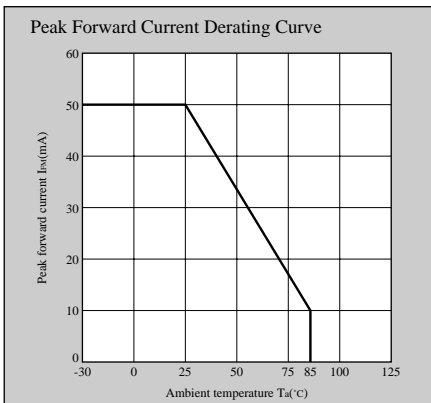
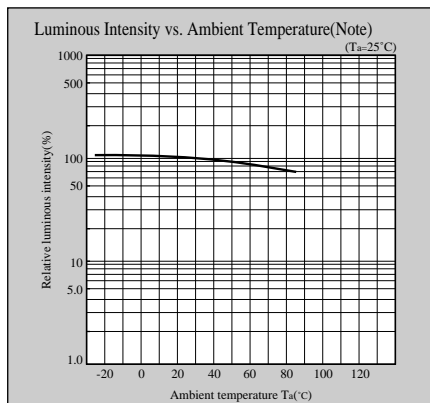
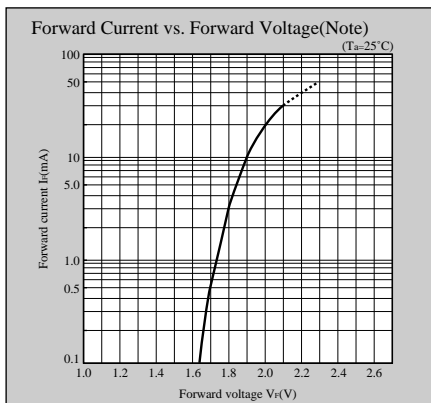
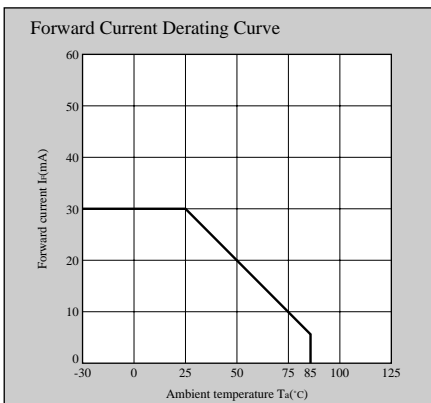
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Characteristics Diagrams

HS,S series



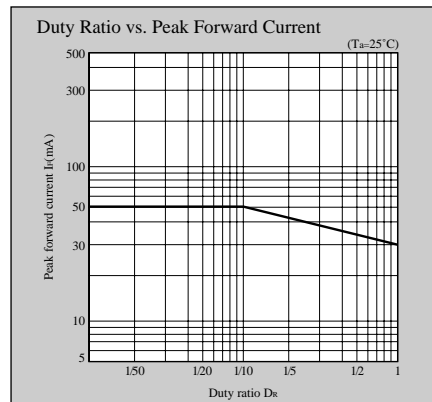
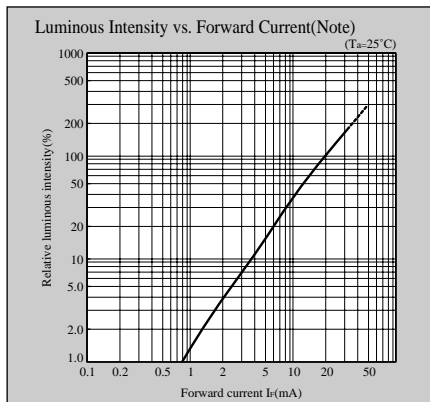
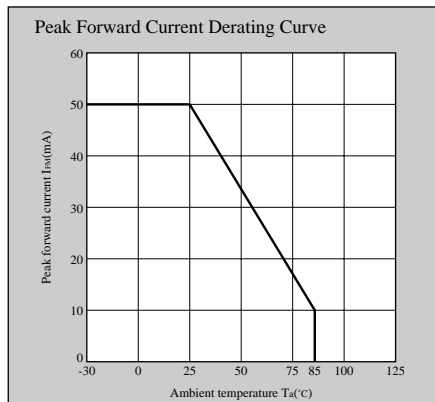
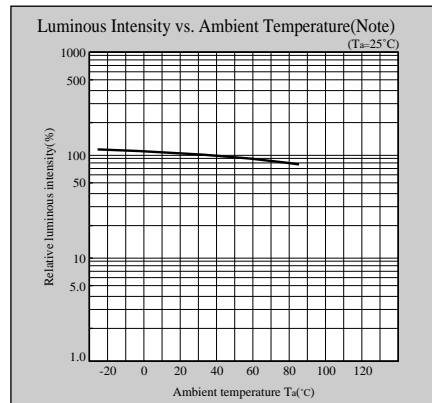
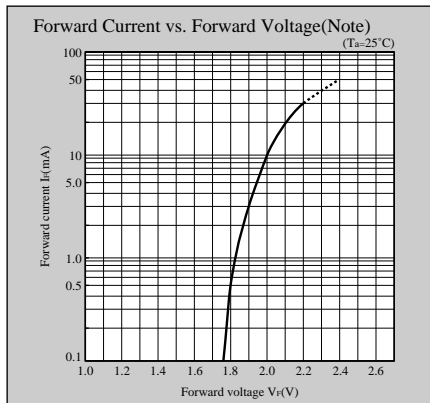
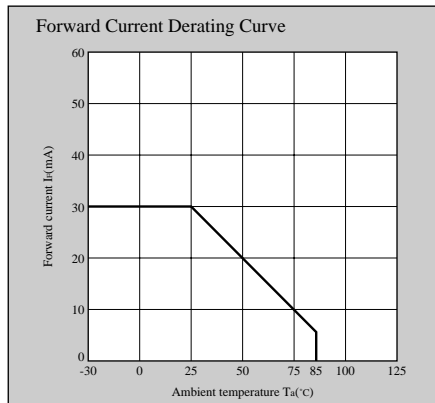
HY,H series



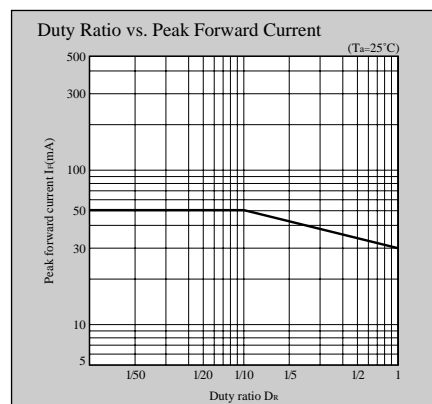
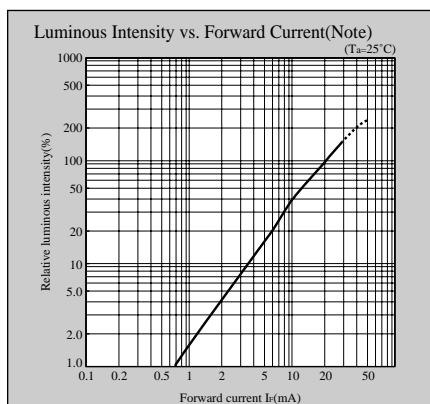
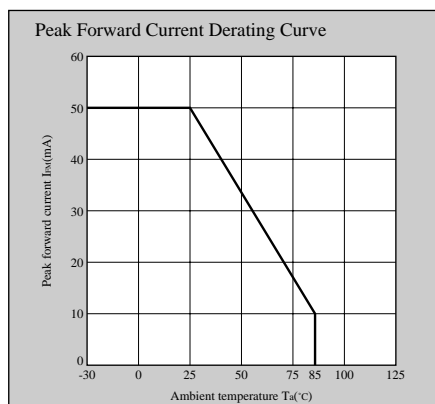
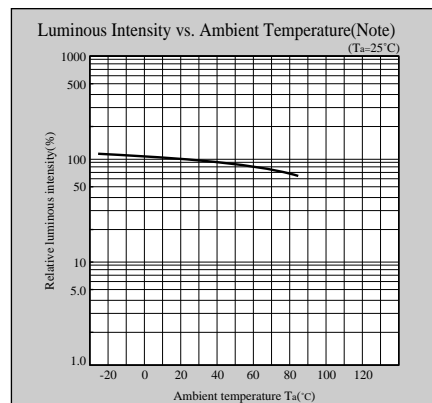
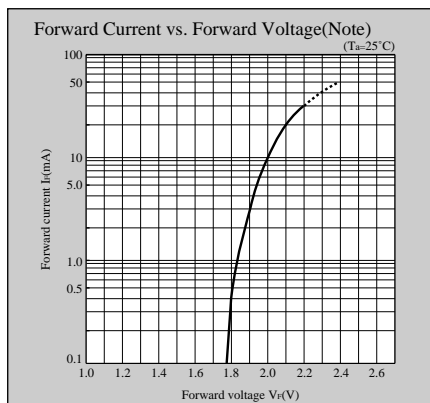
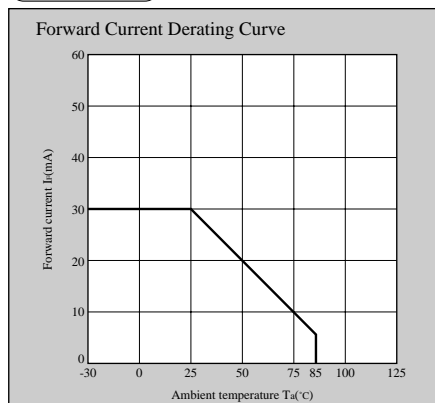
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

EG,E series



KG,K series



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- Test and measurement equipment
- Industrial control
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- Consumer electronics

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- Various safety devices, etc.

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