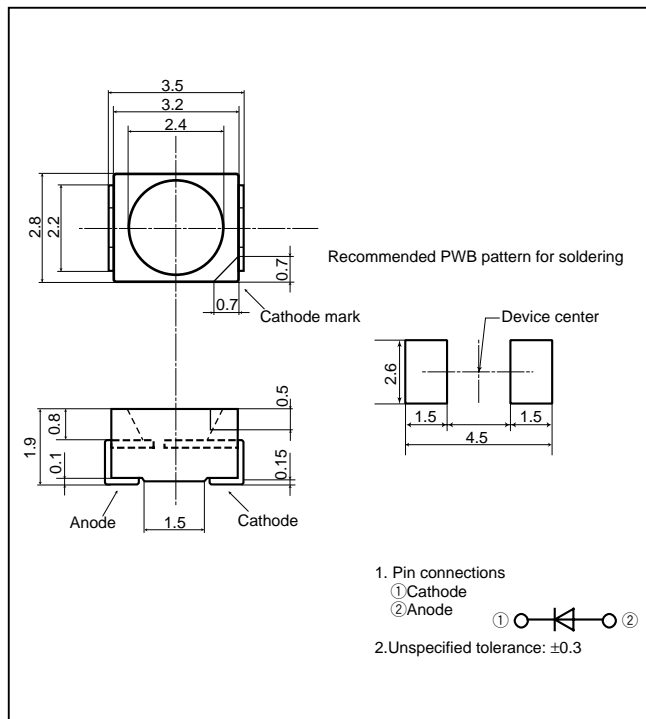


GM5□□95200A series

3528 Size, 1.9mm Thickness, Leadless Chip LED

■ Outline Dimensions

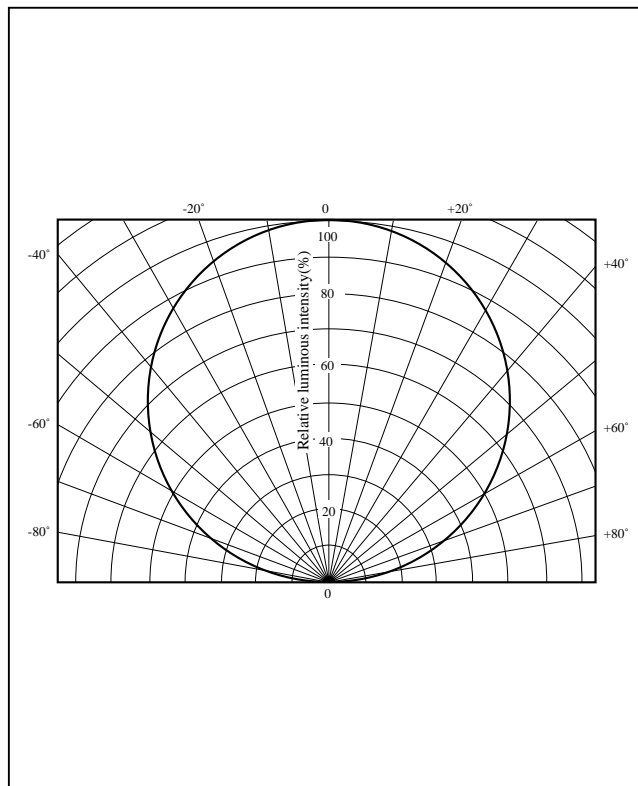
(Unit : mm)



GM5UR95200A: polarity inversion type

■ 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				
GM5UR95200A	Red(Super-luminosity)	GaAlAs on GaAlAs	75	30	50	0.40	0.67	4	-55 to +110	-55 to +110	295
GM5HD95200A	Red	GaAsP on GaP	85	30	50	0.40	0.67	5	-55 to +110	-55 to +110	295
GM5EG95200A	Yellow-green	GaP	84	30	50	0.40	0.67	5	-55 to +110	-55 to +110	295

*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.

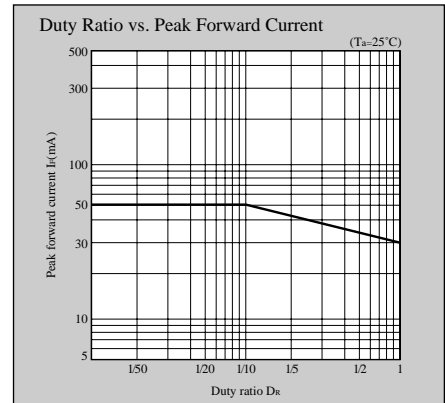
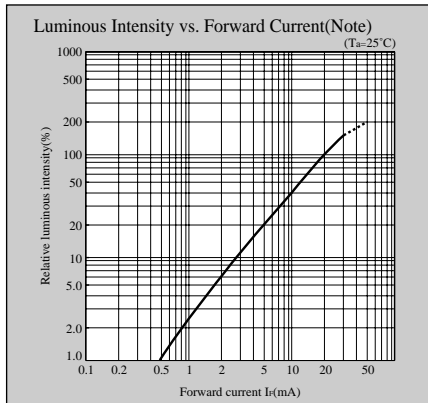
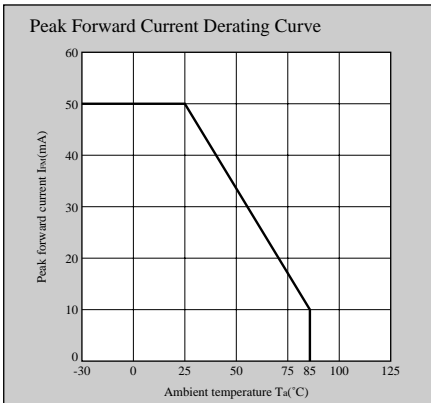
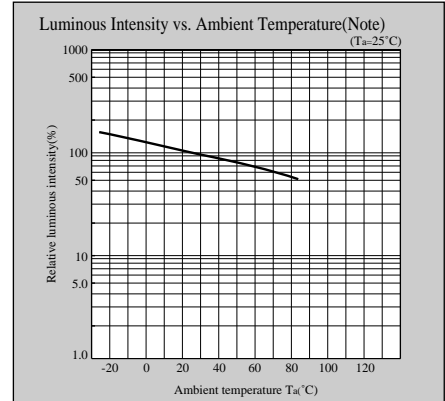
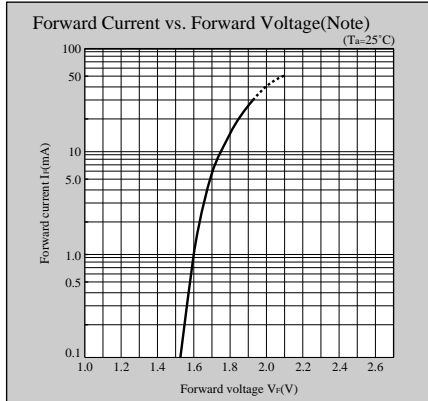
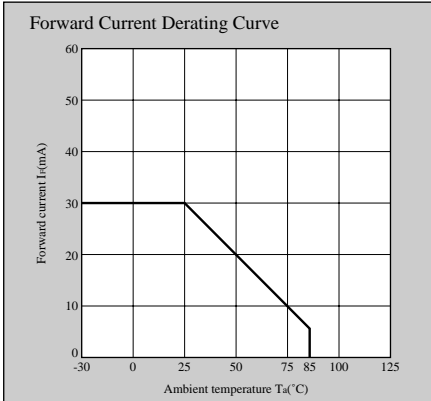
■ Electro-optical Characteristics

(I_F=20mA, T_a=25°C)

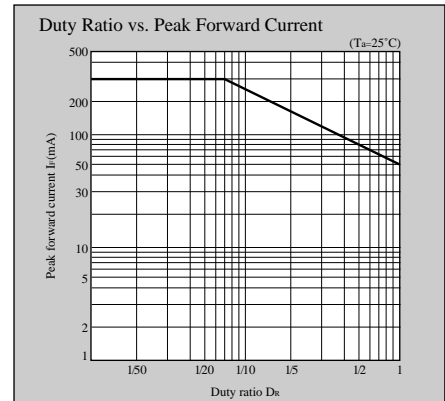
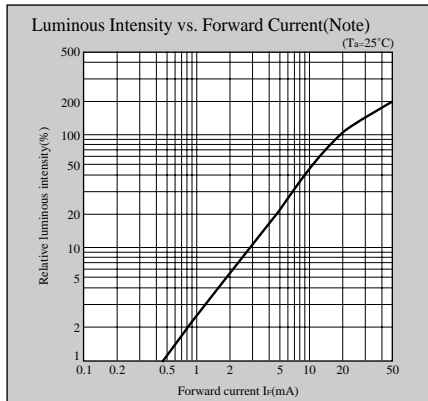
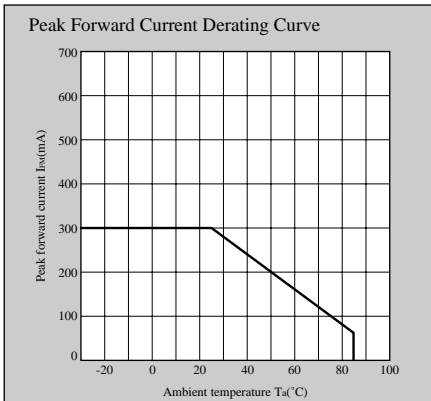
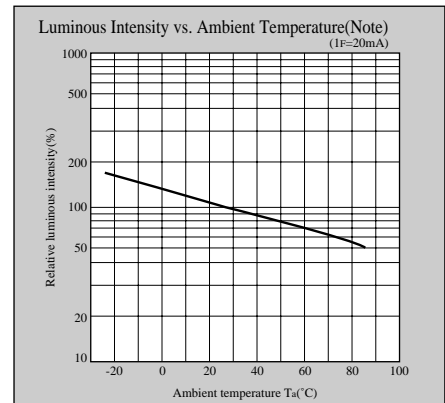
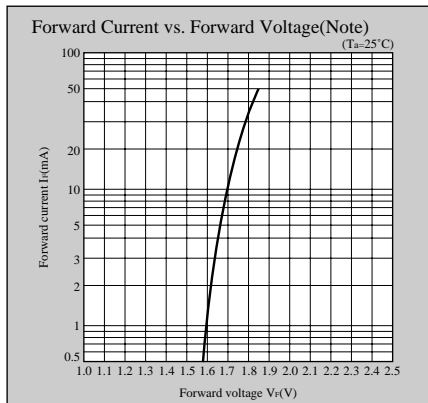
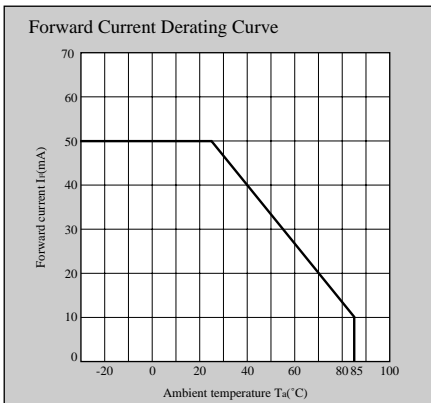
Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength λ _p (nm)	Luminous intensity I _v (mcd)	Spectrum radiation bandwidth Δλ(nm)	Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX				I _R (μA) MAX	V _R (V)	C _t (pF) TYP	(MHz)	
Colorless transparency	GM5UR95200A	1.85	2.5	660	80	20	10	4	25	1	46
	GM5HD95200A	2.0	2.8	635	13.8	35	10	4	20	1	47
	GM5EG95200A	2.1	2.8	565	18.1	30	10	4	35	1	49

Characteristics Diagrams

UR,U series



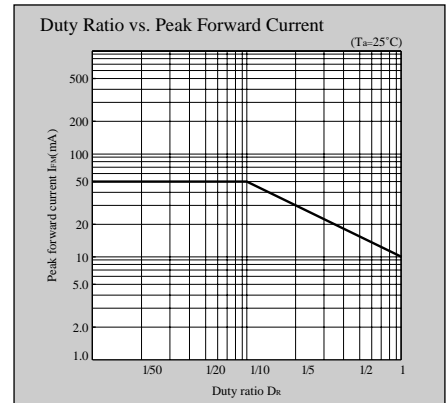
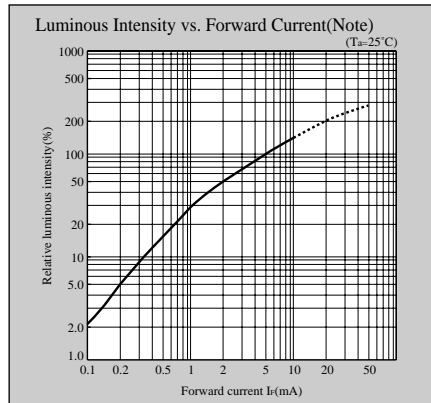
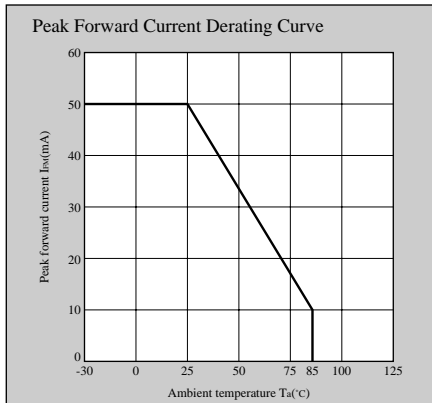
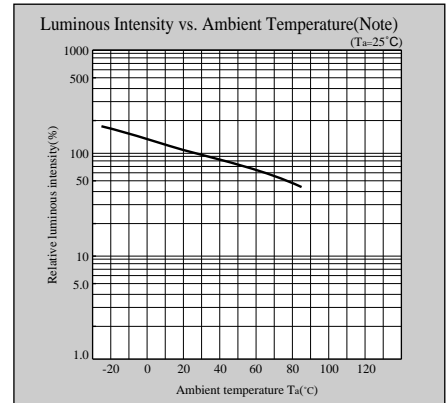
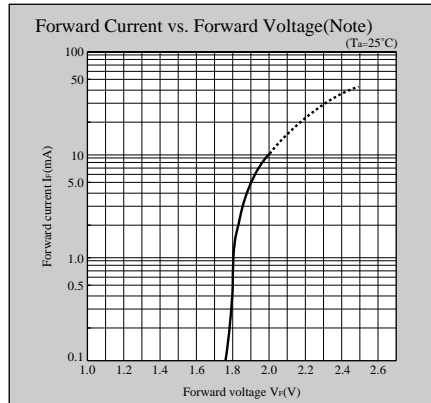
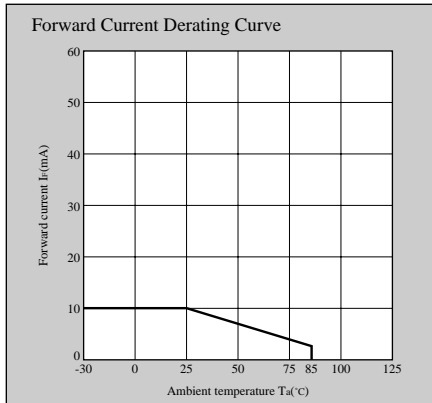
TR,T series



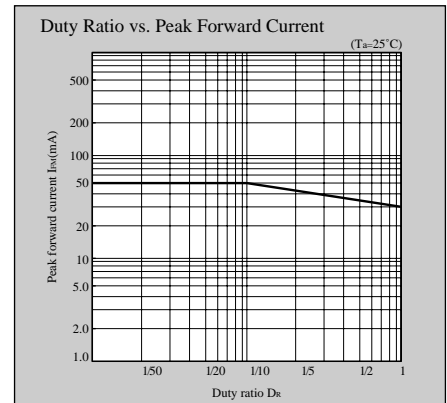
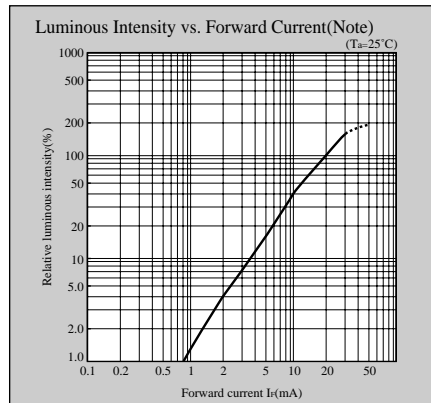
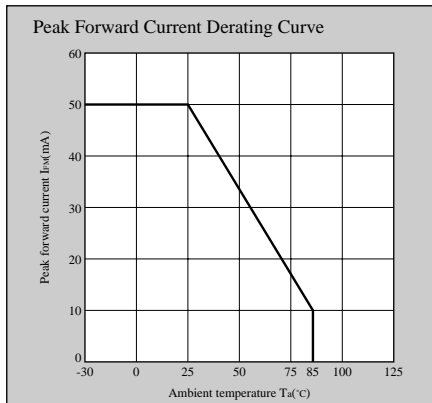
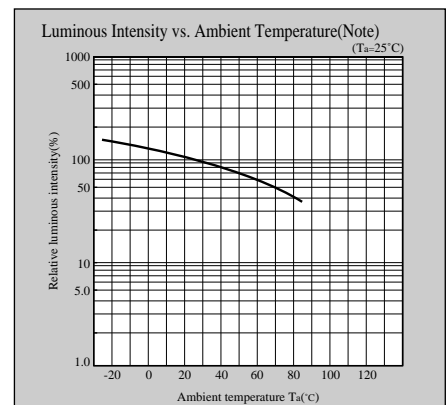
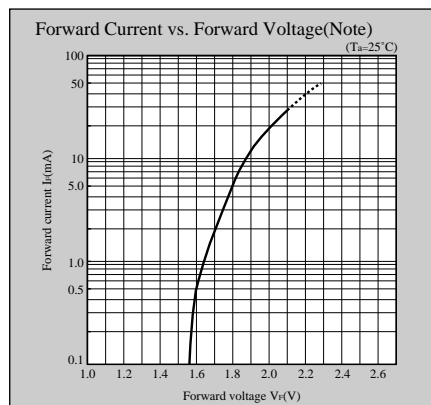
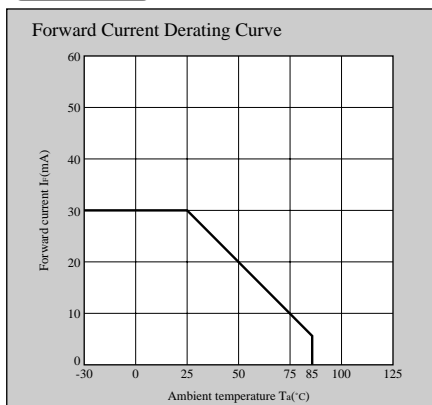
Note) Characteristics shown in diagrams are typical values. (not assurance value)

Characteristics Diagrams

PR,P series



HD,D series



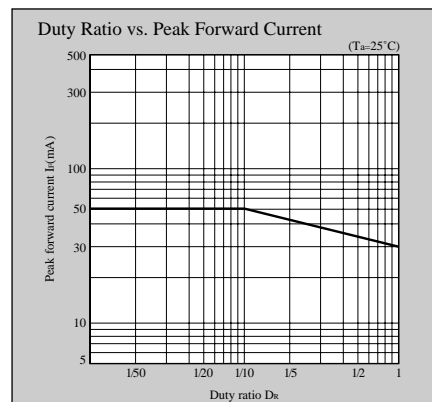
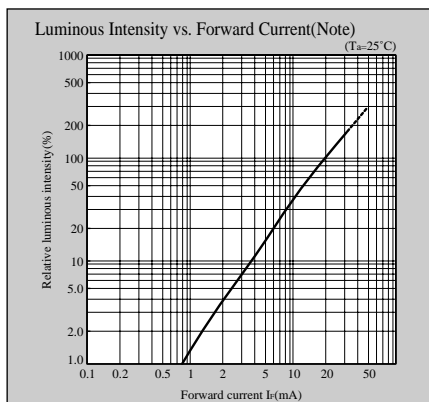
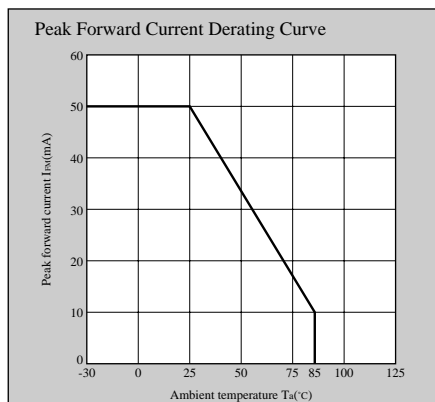
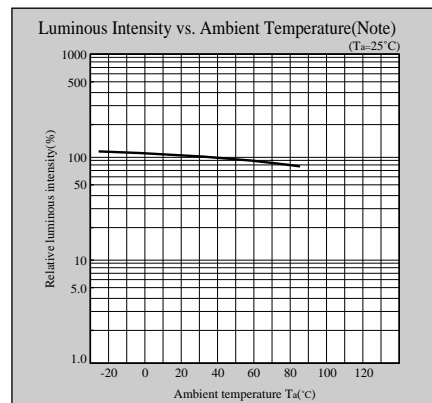
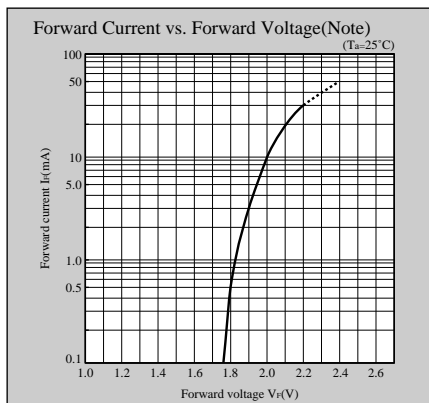
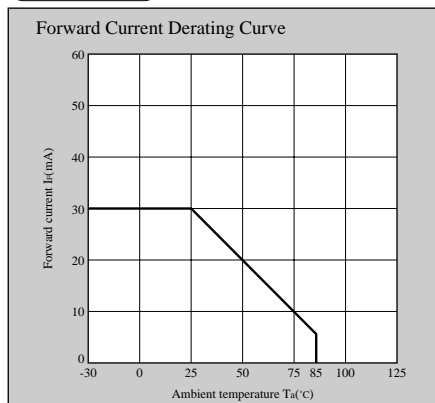
Note) Characteristics shown in diagrams are typical values. (not assurance value)

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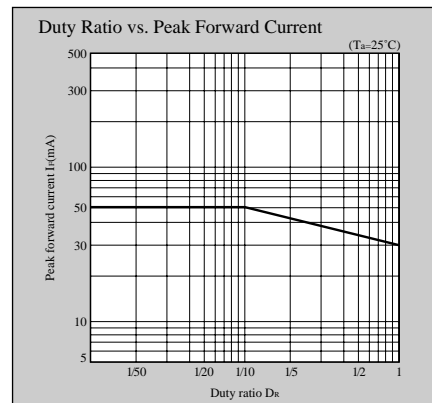
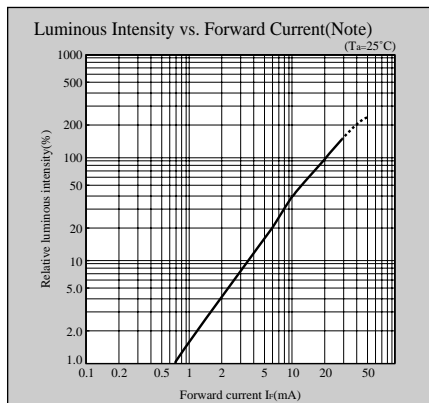
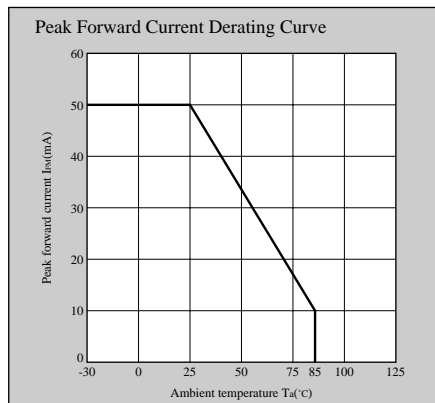
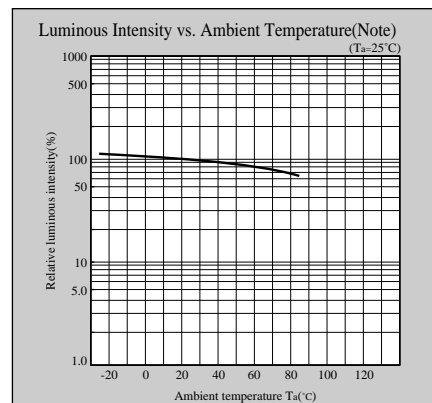
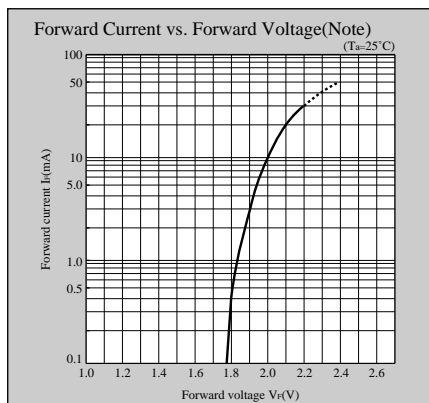
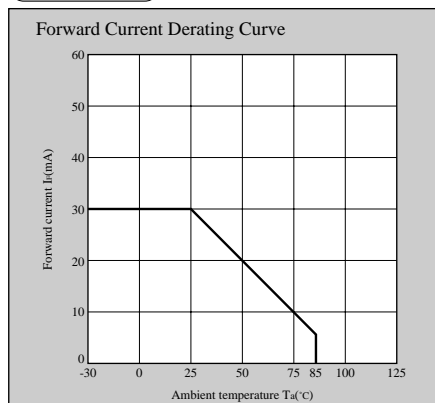
Internet Internet address for Electronic Components Group <http://sharp-world.com/ecg/>

Characteristics Diagrams

EG,E series



KG,K series



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- Consumer electronics

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

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