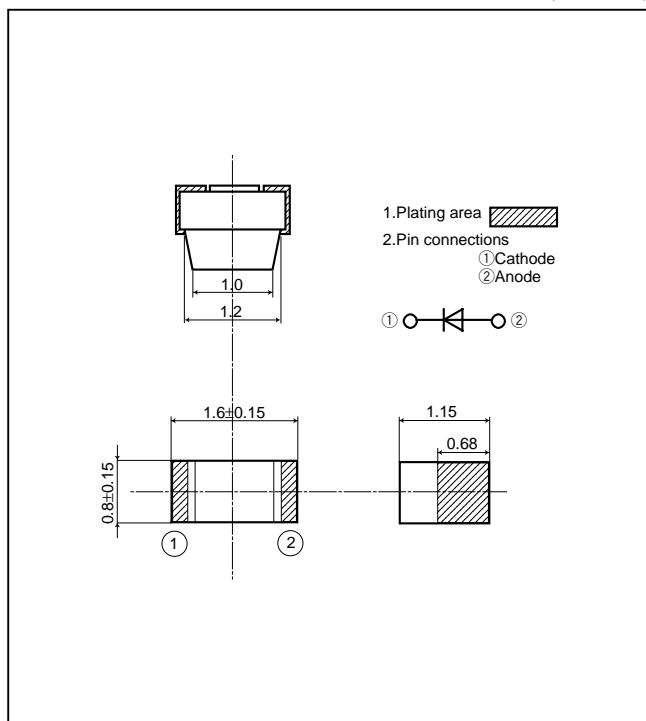


GM4EG81200A

(Under development)

**1.6×1.15mm Size, 0.8mm
Thickness, Side Emitting Leadless
Chip LED****■ Outline Dimensions**

(Unit : mm)

**■ Absolute Maximum Ratings**(T_a=25°C)

Model No.	Radiation color	Radiation material	Forward current I _F (mA)	Peak forward current I _{FM} *1 (mA)	Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{stg} (°C)	Soldering temperature T _{sol} *2 (°C)
GM4EG81200A	Yellow-green	Gap	30	50	5	-30 to +85	-40 to +100	290

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

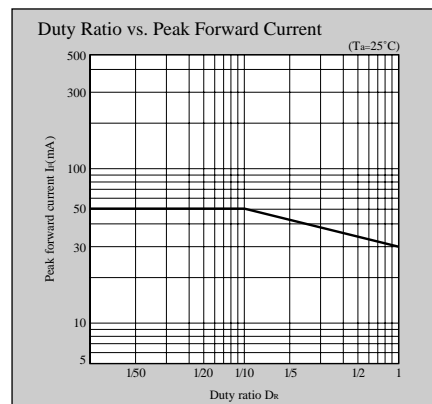
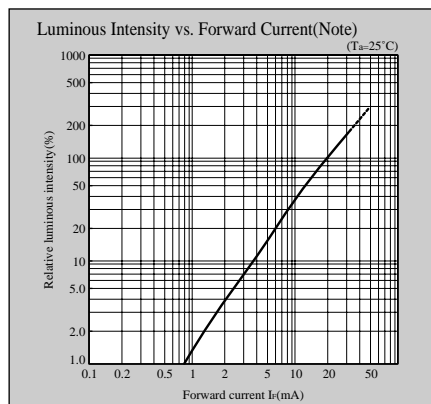
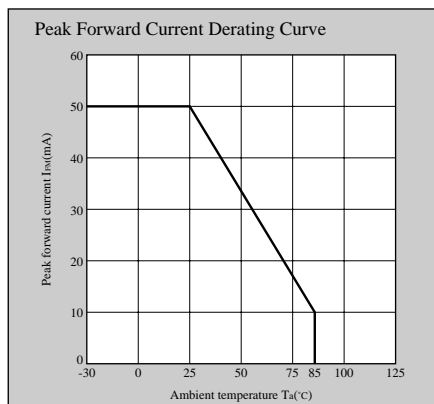
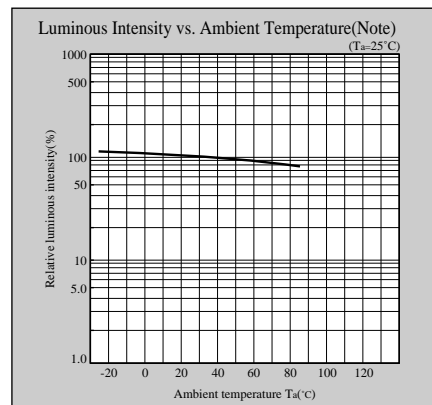
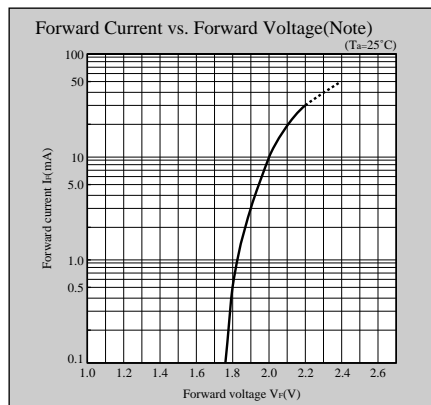
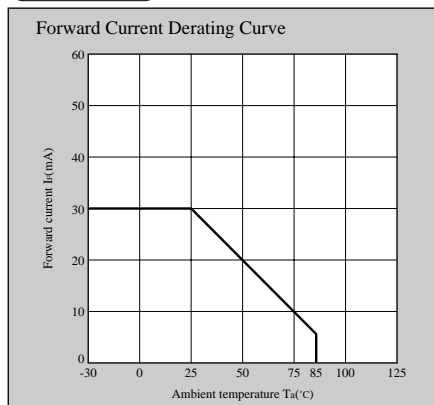
*2 For 3s or less at the temperature of hand soldering. Temperature of reflow soldering is shown on page 2.

■ Electro-optical Characteristics(I_F=20mA, T_a=25°C)

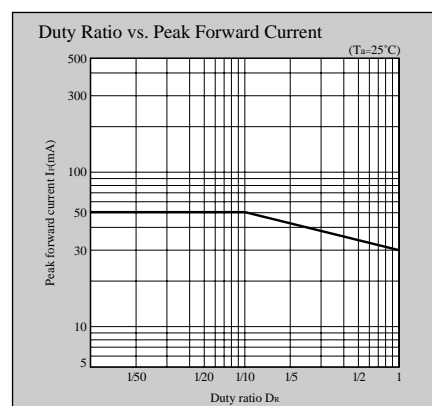
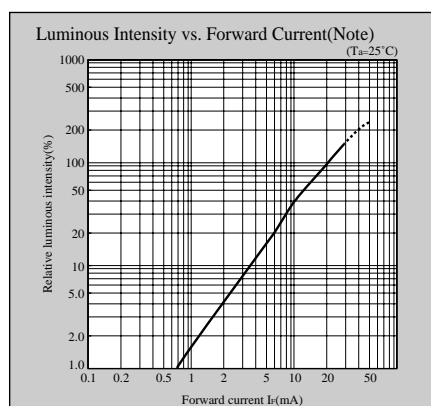
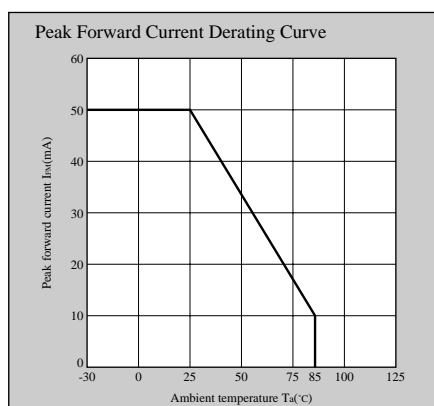
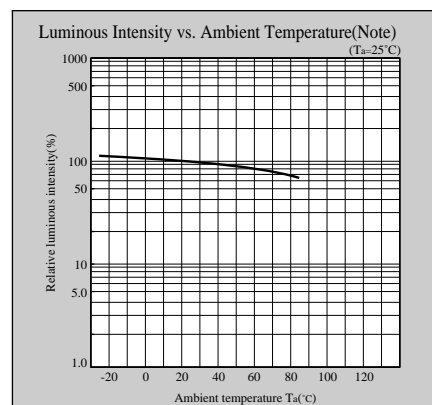
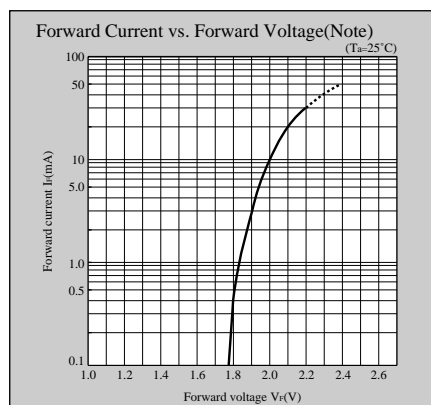
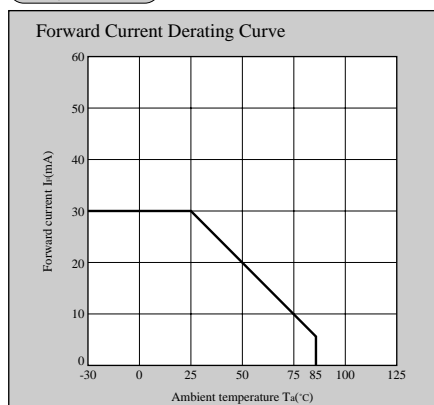
Lens type	Model No.	Forward voltage V _F (V)	Peak emission wavelength λ _p (nm)	Luminous intensity I _v (mcd)	Page for characteristics diagrams
		TYP	TYP	TYP	
Colorless transparency	GM4EG81200A	2.0	565	(20)	49

Characteristics Diagrams

EG,E series



KG,K 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/>

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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
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- Alarm equipment
- Various safety devices, etc.

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