

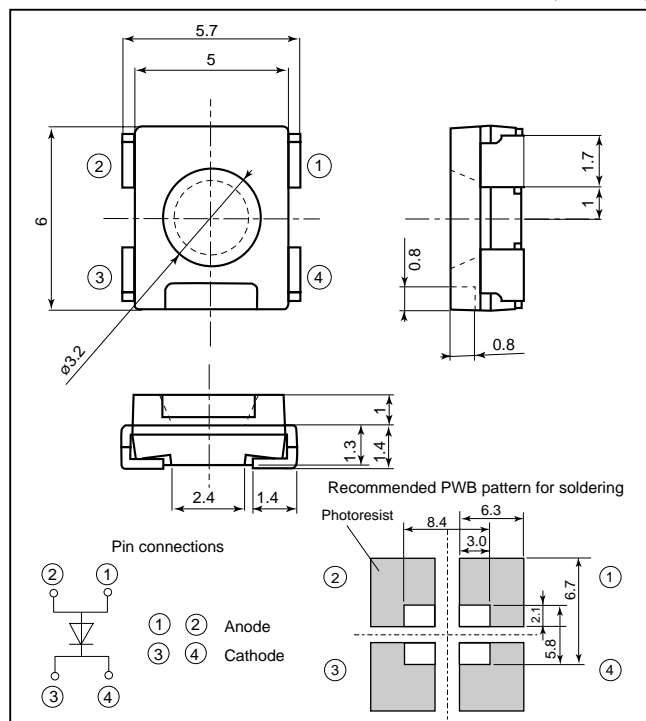
GM5Y□01200A series

(Under development)

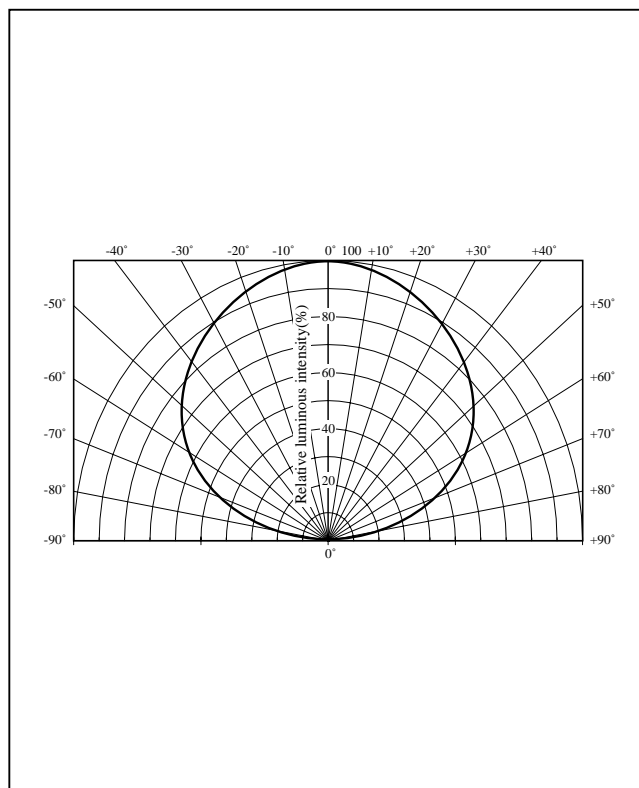
6050 Size, 2.4mm Thickness, Leadless Chip LED

■ Outline Dimensions

(Unit : mm)



■ Directive Characteristics



■ 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 (mW/°C)		Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{stg} (°C)	Soldering temperature T _{sol} *2 (°C)
						DC	Pulse				
GM5YJ01200A	Orange	AlGaInP on GaAs	400	180	200	2.40	2.67	5	-55 to +100	-55 to +100	295
GM5YS01200A	Sunset orange	AlGaInP on GaAs	400	180	200	2.40	2.67	5	-55 to +100	-55 to +100	295
GM5YV01200A	Amber	AlGaInP on GaAs	400	180	200	2.40	2.67	5	-55 to +100	-55 to +100	295

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

*2 For 3s or less at the temperature of hand soldering.

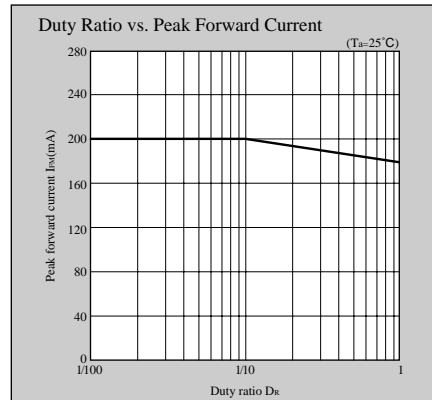
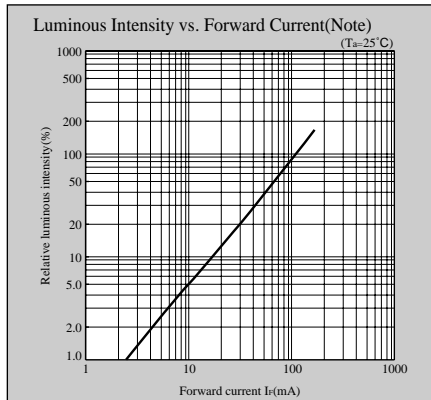
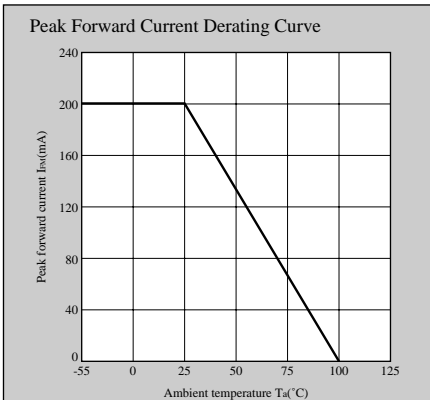
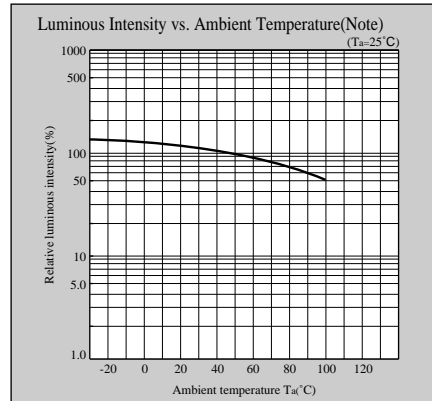
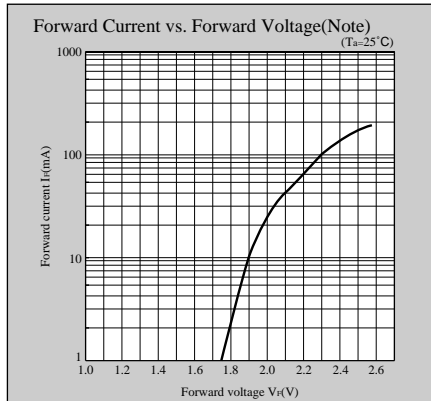
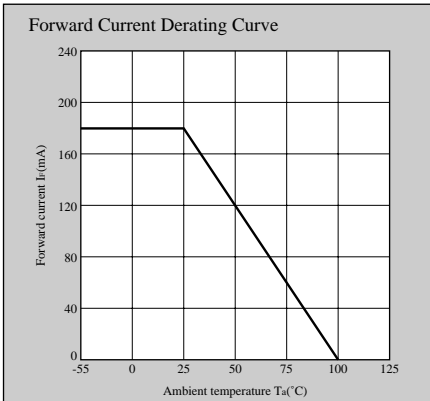
■ Electro-optical Characteristics

(I_F=150mA, T_a=25°C)

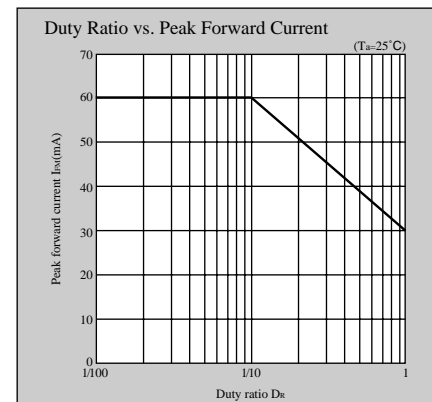
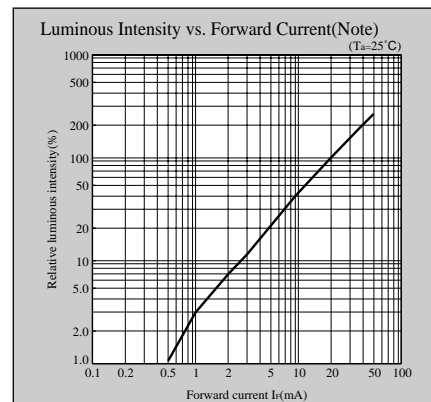
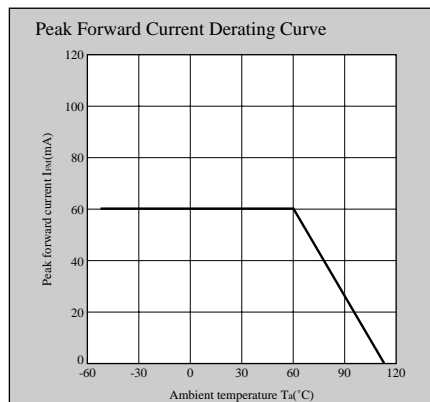
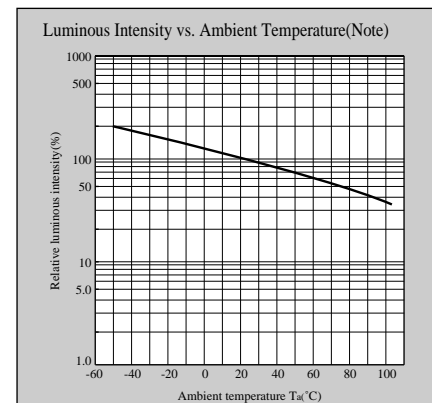
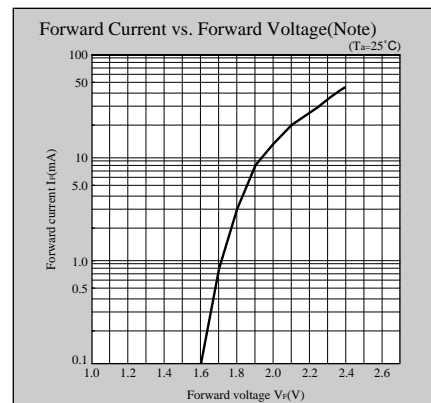
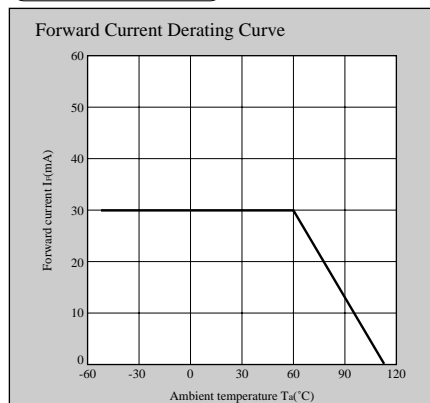
Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength λ _P (nm) TYP	Dominant wavelength λ _d (nm) TYP	Luminous intensity I _v (mcd) TYP	Spectrum radiation bandwidth Δλ(nm) TYP	Reverse current		Page for characteristics diagrams
		TYP	MAX					I _R (μA) MAX	V _R (V)	
Colorless transparency	GM5YJ01200A	2.5	3.4	627	618	1500	18	100	4	53
	GM5YS01200A	2.5	3.4	609	605	1700	18	100	4	53
	GM5YV01200A	2.5	3.4	591	588	1300	18	100	4	53

Characteristics Diagrams

GM5Y□01200A series



LT1Z□95A series



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

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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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