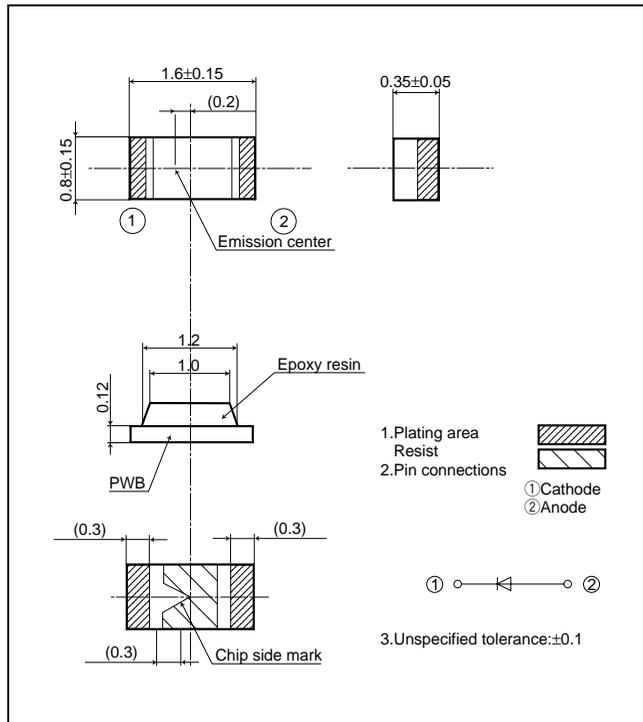


GM1J□35200AE series

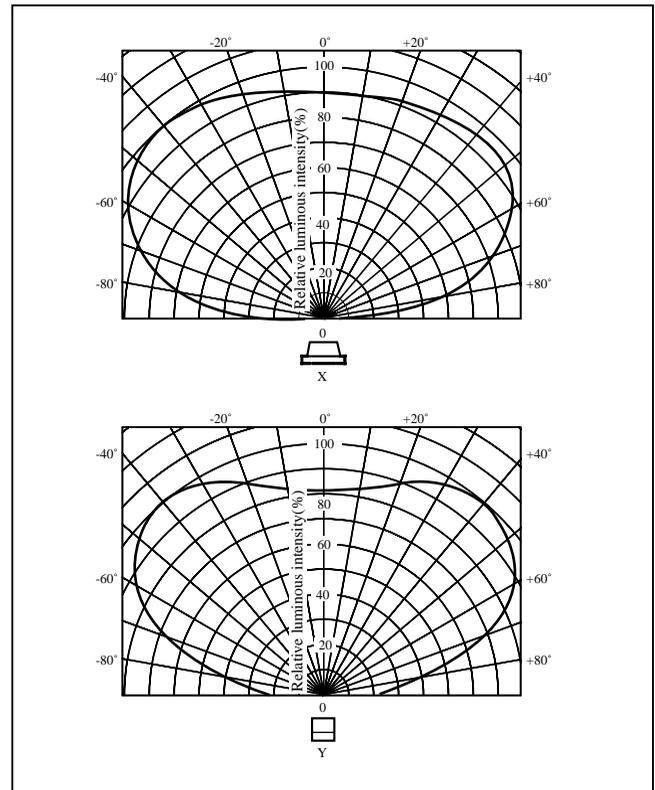
1608 Size, 0.35mm Thickness, Super Thin Type Leadless Chip LED

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 (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				
GM1JR35200AE	Red	AlGaInP on GaAs	52	20	40	0.27	0.53	5	-30 to +85	-40 to +100	350
GM1JJ35200AE	Orange	AlGaInP on GaAs	52	20	40	0.27	0.53	5	-30 to +85	-40 to +100	350
GM1JS35200AE	Sunset-orange	AlGaInP on GaAs	52	20	40	0.27	0.53	5	-30 to +85	-40 to +100	350
GM1JV35200AE	Amber	AlGaInP on GaAs	52	20	40	0.27	0.53	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 (350°C) of hand soldering. Temperature of reflow soldering is shown on page 2.

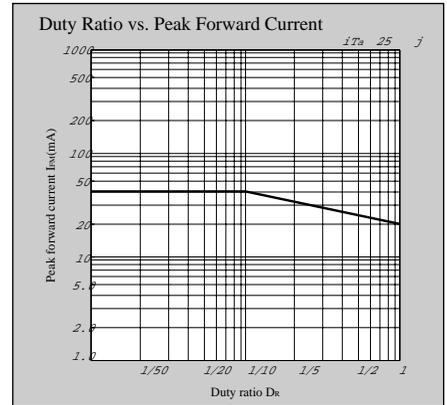
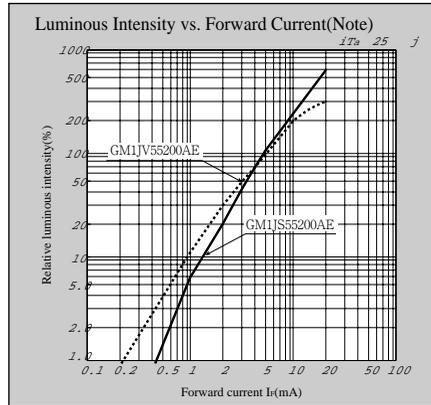
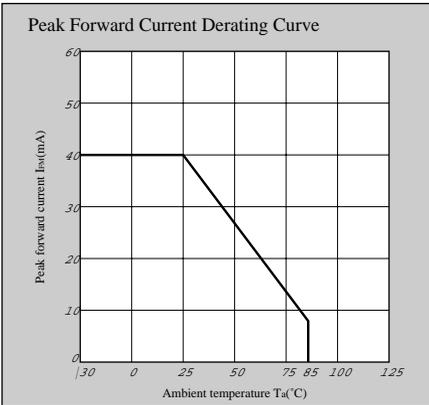
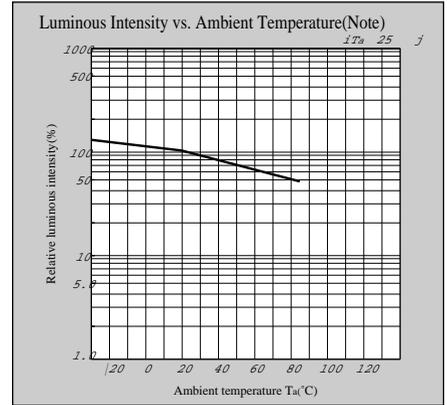
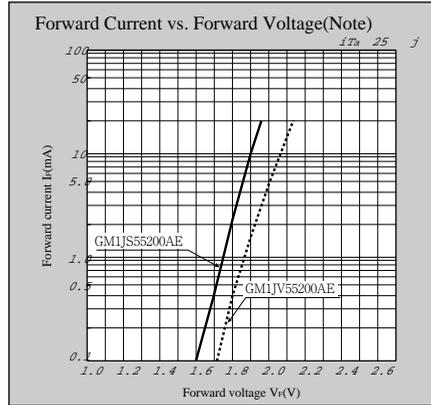
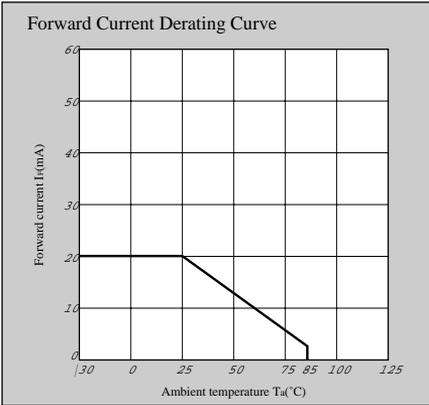
Electro-optical Characteristics

(I_F=5mA, T_a=25°C)

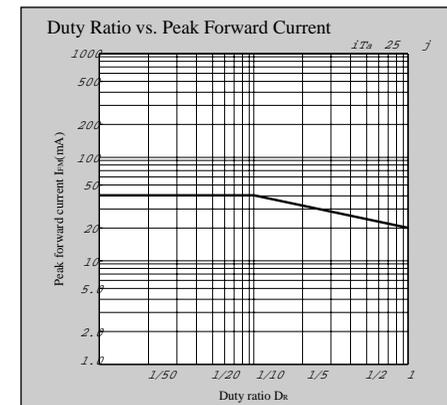
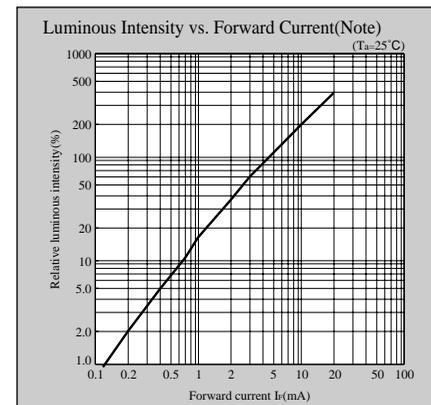
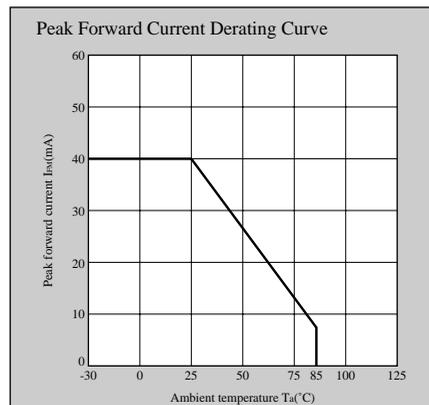
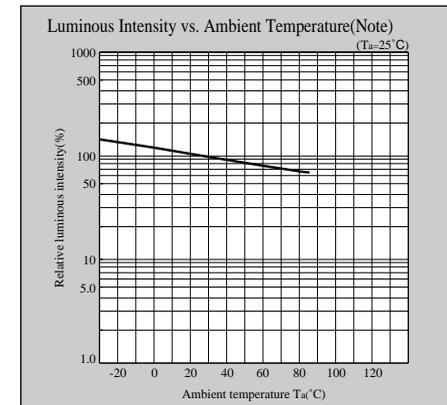
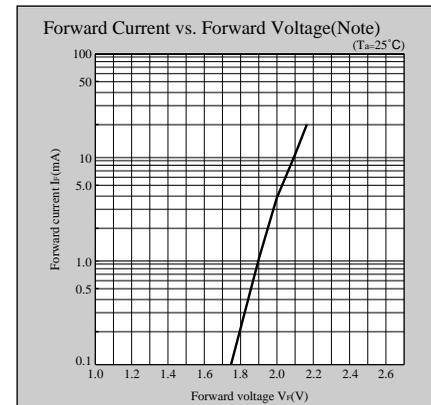
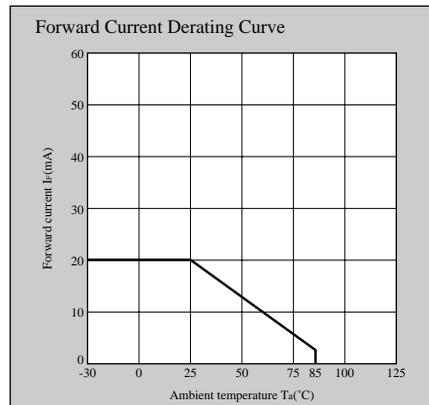
Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength λ _p (nm) TYP	Dominant wavelength λ _d (nm) TYP	Luminous intensity I _v (mcd) TYP	Spectrum radiation bandwidth Δλ(nm) TYP	Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX					I _R (μA) MAX	V _R (V)	C _t (pF) TYP	(MHz)	
Colorless transparency	GM1JR35200AE	2.0	2.6	639	631	15	15	100	4	60	1	52
	GM1JJ35200AE	2.0	2.6	627	618	19	15	100	4	60	1	52
	GM1JS35200AE	2.0	2.6	609	605	19	15	100	4	60	1	52
	GM1JV35200AE	2.0	2.6	591	588	19	15	100	4	60	1	52

Characteristics Diagrams

GM1JS5200AE/GM1JV5200AE



GM1J□40300AE series, GM1J□35200AE series, LT1J□67A series, LT1J□45A 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

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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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