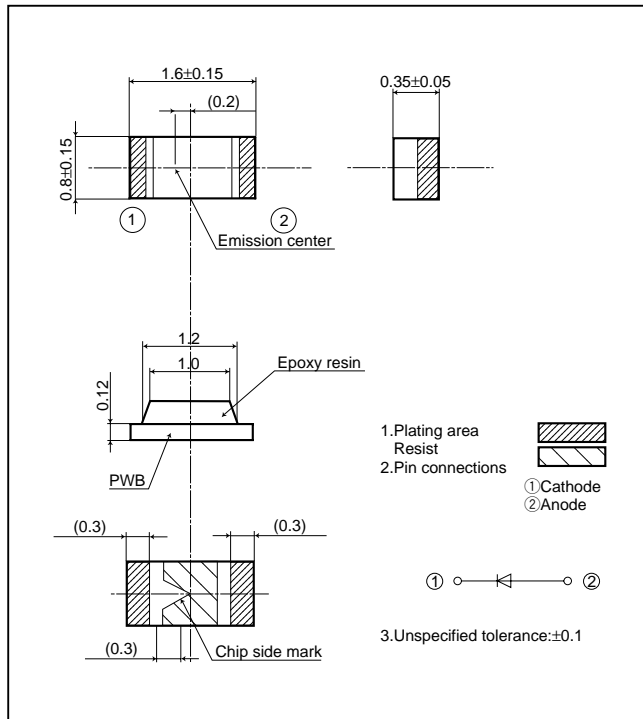


GM1J□35200AE series

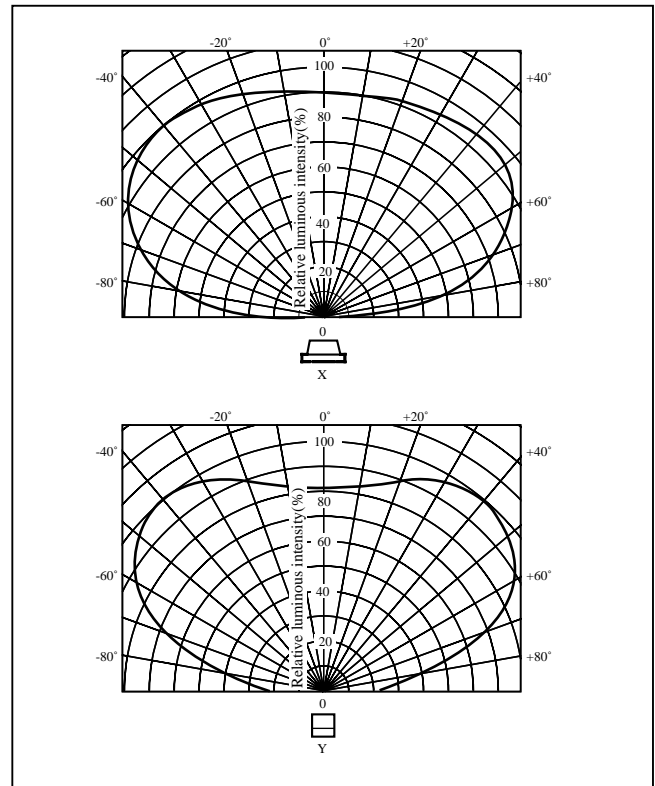
1608 Size, 0.35mm Thickness, Super Thin Type Leadless Chip LED

Outline Dimensions

(Unit : mm)



Directive Characteristics



Absolute Maximum Ratings

($T_a = 25^\circ\text{C}$)

Model No.	Emitting color	Material	Power dissipation P (mW)	Forward current I_F (mA)	Peak forward current I_{FM}^{*1} (mA)	Derating factor (mA/ $^\circ\text{C}$)		Reverse voltage V_R (V)	Operating temperature T_{opr} ($^\circ\text{C}$)	Storage temperature T_{stg} ($^\circ\text{C}$)	Soldering temperature T_{sol}^{*2} ($^\circ\text{C}$)
						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.

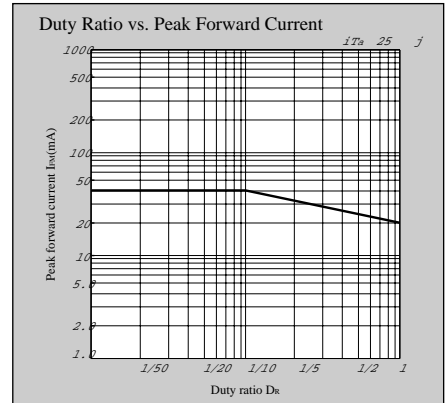
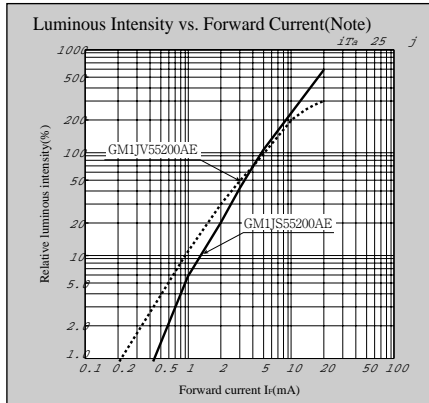
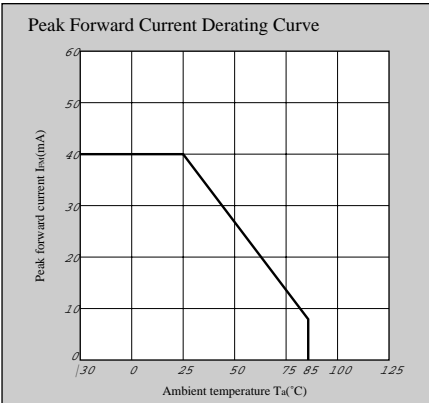
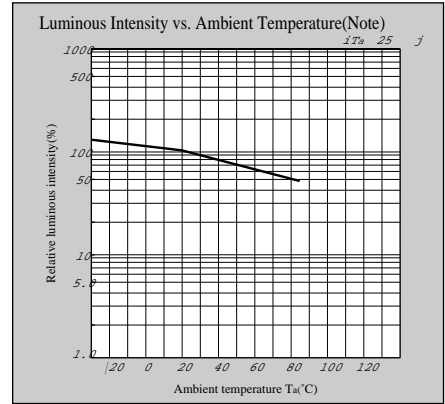
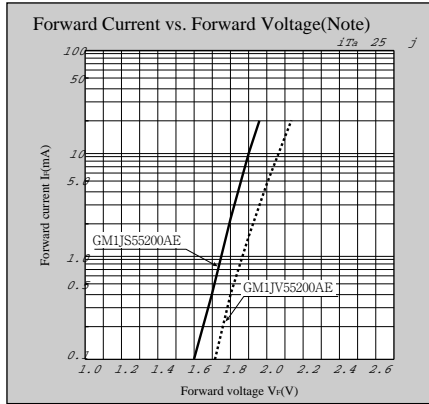
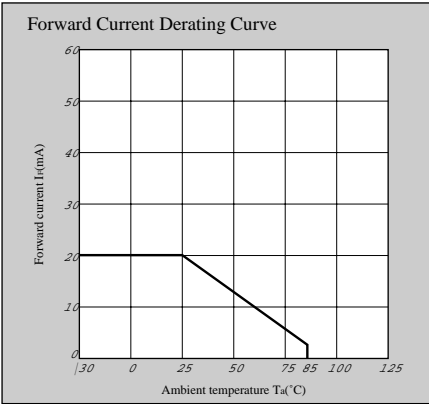
Electro-optical Characteristics

($I_F = 5\text{mA}, T_a = 25^\circ\text{C}$)

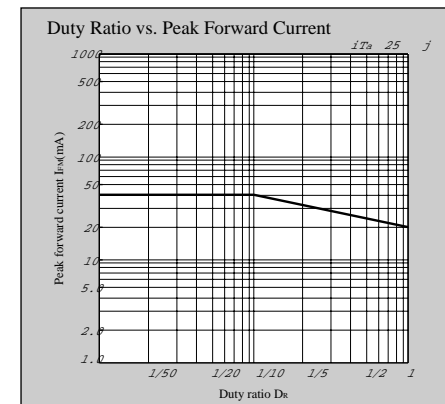
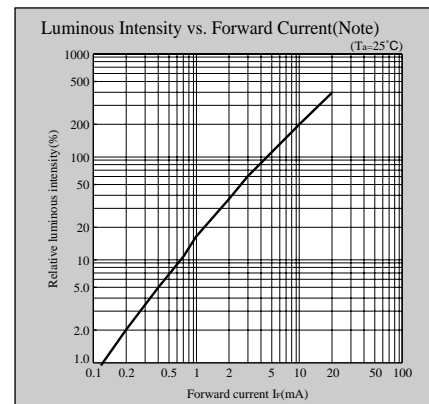
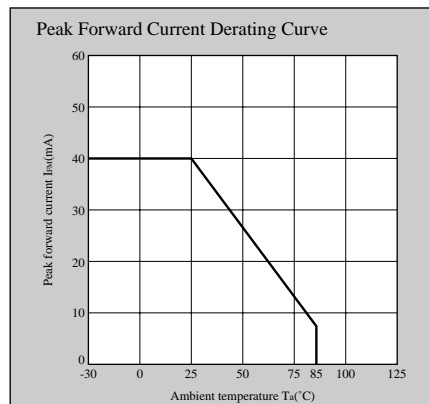
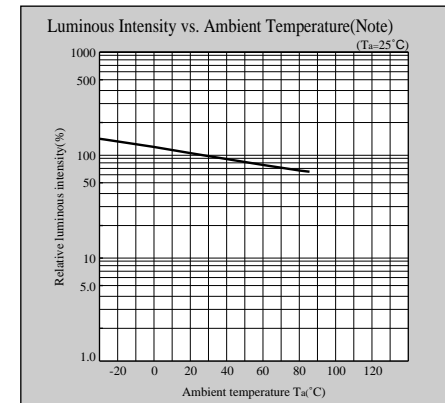
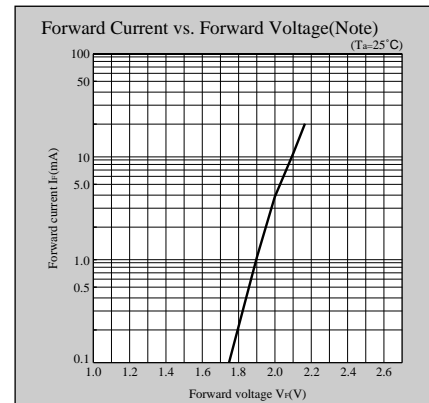
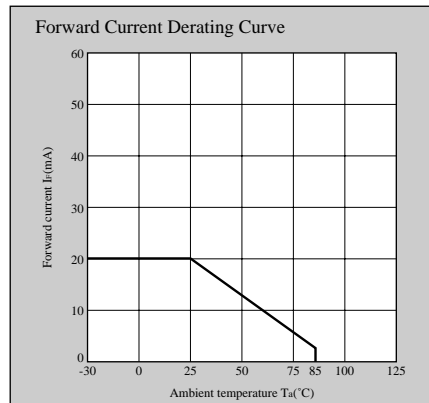
Lens type	Model No.	Forward voltage V_F (V)		Peak emission wavelength λ_p (nm) TYP	Dominant wavelength λ_d (nm) TYP	Luminous intensity I_v (mcd) TYP	Spectrum radiation bandwidth $\Delta\lambda$ (nm) TYP	Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX					I_R (μA) MAX	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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- 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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