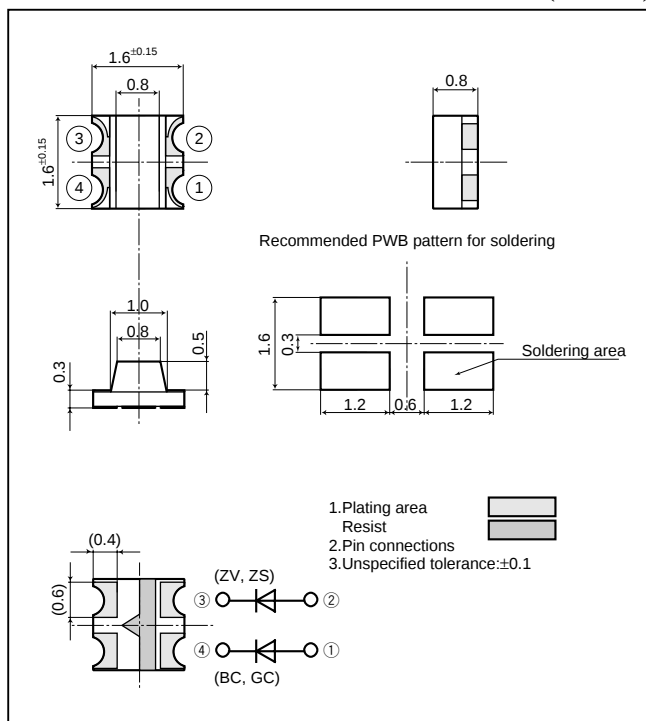


GM1ZVB80300A/GM1ZSG80300A

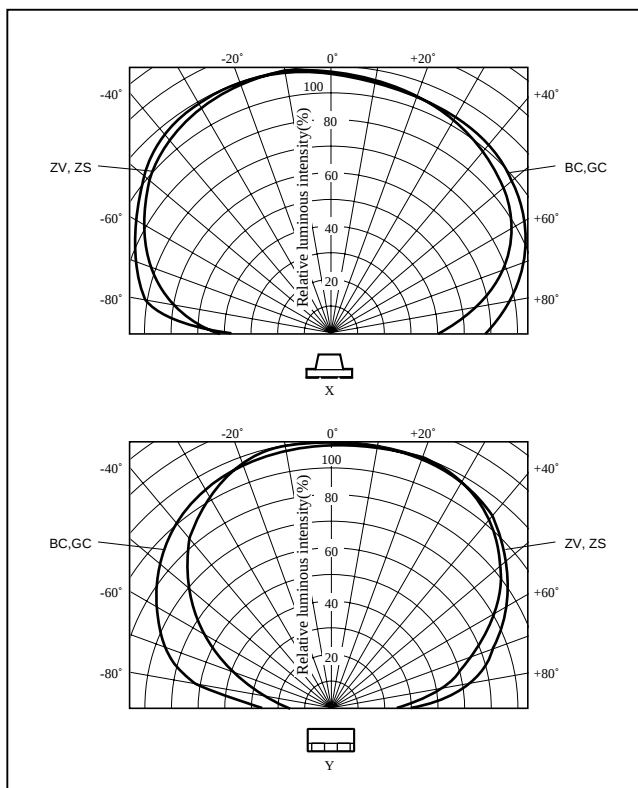
1616 Size, 0.8mm Thickness, High-luminosity Dichromatic Leadless Chip LED

■ Outline Dimensions

(Unit : mm)



■ Directive Characteristics



■ Absolute Maximum Ratings^{*1}

(T_a=25°C)

Model No.	Emitting color	Material	Forward current I _F (mA)	Peak forward current I _{FM} ^{*2} (mA)	Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{stg} (°C)	Soldering temperature T _{sol} ^{*3} (°C)
GM1ZVB80300A	Amber	AlGaInP on GaAs	30	50	5	-20 to +80	-40 to +100	290
	Blue	InGaN	20	40	5	-20 to +80	-40 to +100	290
GM1ZSG80300A	Sunset orange	AlGaInP on GaAs	30	50	5	-20 to +80	-40 to +100	290
	Green	InGaN	20	40	5	-20 to +80	-40 to +100	290

*1 The value is specified under the condition that either color is lightened separately. When the both diodes are lightened simultaneously, the power dissipation of each diode should be less than the half of the value specified in this table.

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

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

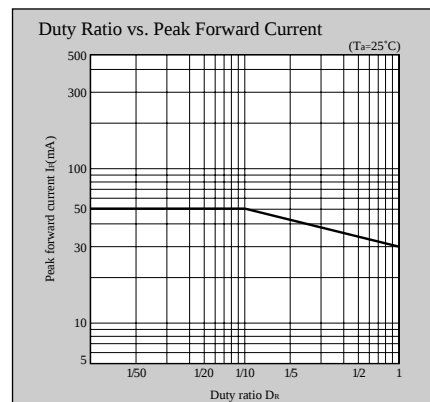
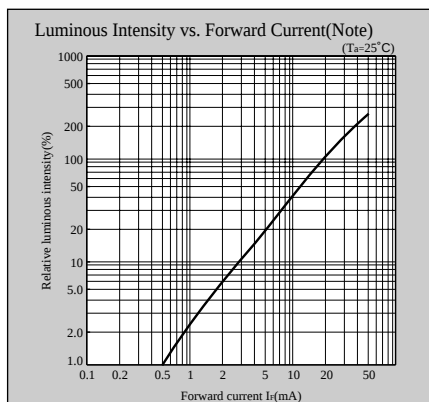
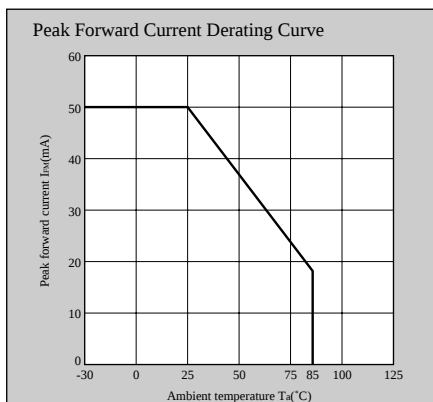
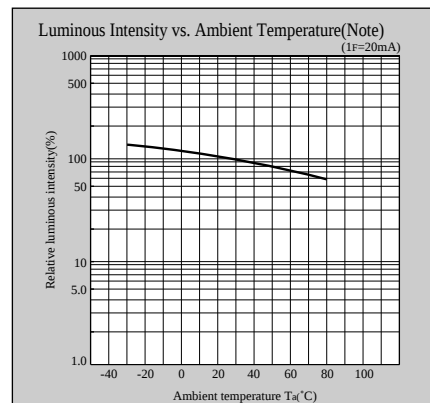
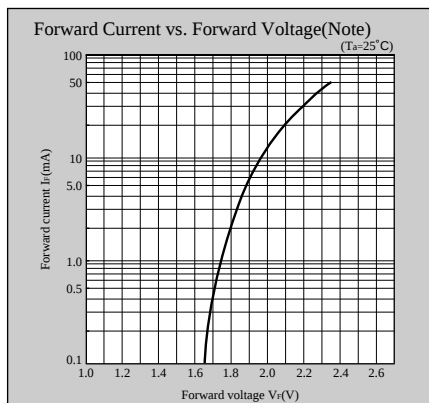
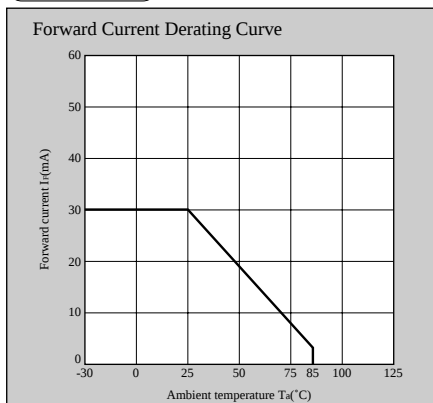
■ Electro-optical Characteristics

(I_F=20mA, Blue, Green:I_F=10mA, T_a=25°C)

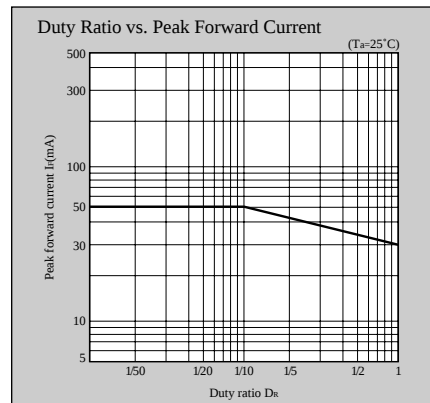
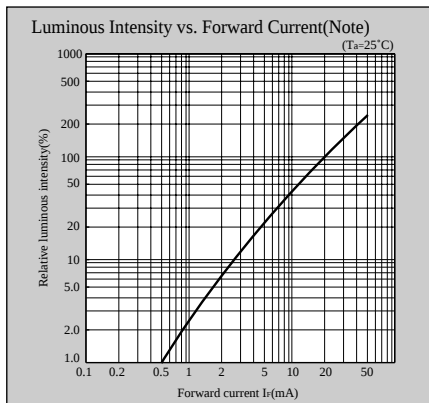
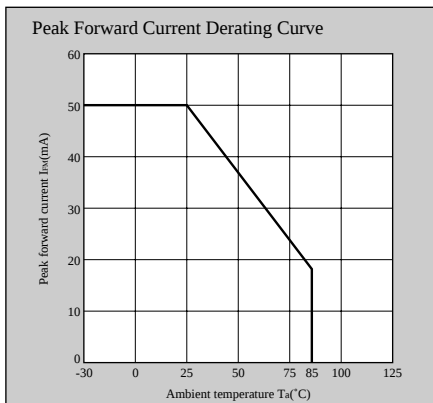
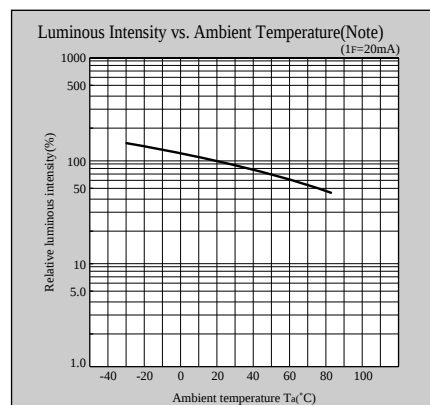
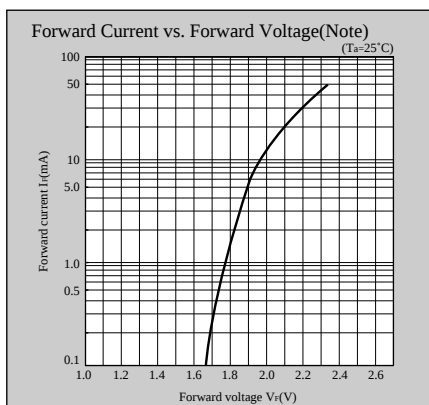
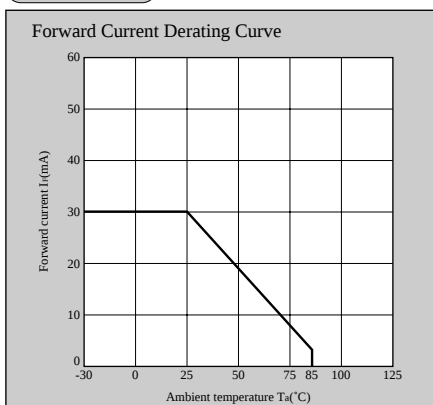
Lens type	Model No.	Radiation color	Forward voltage V _F (V)	Peak emission wavelength λ _p (nm)	Dominant wavelength λ _d (nm)	Luminous intensity I _v (mcd)	Page for characteristics diagrams
			TYP	TYP	TYP	TYP	
Milky diffusion	GM1ZVB80300A	Amber	2.1	591	588	43.8	44
		Blue	3.2	470	472	10.8	-
	GM1ZSG80300A	Sunset orange	2.1	609	605	66	44
		Green	3.2	528	530	46.1	-

Characteristics Diagrams

ZS series



ZV series



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

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