

GM4JV81200AE Series

Chip LED

High-Luminosity Side Emitting Chip LED

■ Features

- (1) 4-element, high-luminosity side emitting chip LED
- (2) External dimensions: $1.6 \times 1.15 \times 0.8$ t mm, thin type
- (3) Comes in 3 colors
- (4) Taped product (4 000 pcs/reel)

■ Applications

- (1) LCD backlight for cellular phone
- (2) LCD backlight for various portable equipment

■ Absolute Maximum Ratings

Model No.	Emitting color	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)
GM4JJ81200AE	Orange	AlGaInP on GaAs	20	40	5	-30 to +85	-40 to +100	290
GM4JS81200AE	Sunset-orange	AlGaInP on GaAs	20	40	5	-30 to +85	-40 to +100	290
GM4JV81200AE	Amber	AlGaInP on GaAs	20	40	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.

■ Electro-optical Characteristics

($I_F=10mA, T_a=25^\circ C$)

Lens type	Model No.	Forward voltage V_F (V)	Peak emission wavelength λ_p (nm)	Dominant wavelength λ_d (nm)	Luminous intensity I_v (mcd)
		TYP	TYP	TYP	TYP
Colorless transparency	GM4JJ81200AE	2.0	627	618	45
	GM4JS81200AE	2.0	609	605	45
	GM4JV81200AE	2.0	591	588	35

(Notice)

•In the absence of confirmation by device specification sheets, SHARP takes no responsibility for any defects that may occur in equipment using any SHARP devices shown in catalogs, data books, etc. Contact SHARP in order to obtain the latest device specification sheets before using any SHARP device.

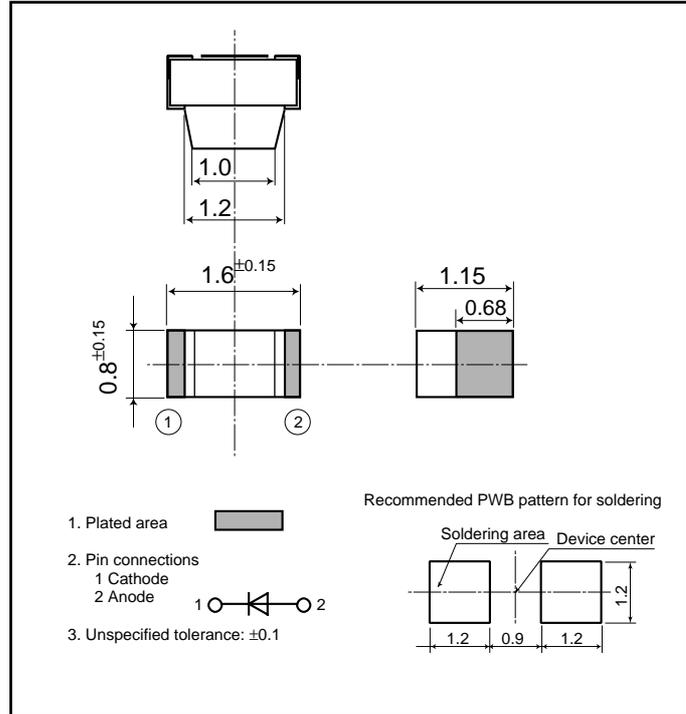
•Specifications are subject to change without notice for improvement.

(Internet)

•Data for Sharp's optoelectronic is provided on internet. (Address <http://sharp-world.com/ecg/>)

■ Outline Dimensions

(Unit : mm)



($T_a=25^\circ C$)