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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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GM1WA80350A

Chip LED

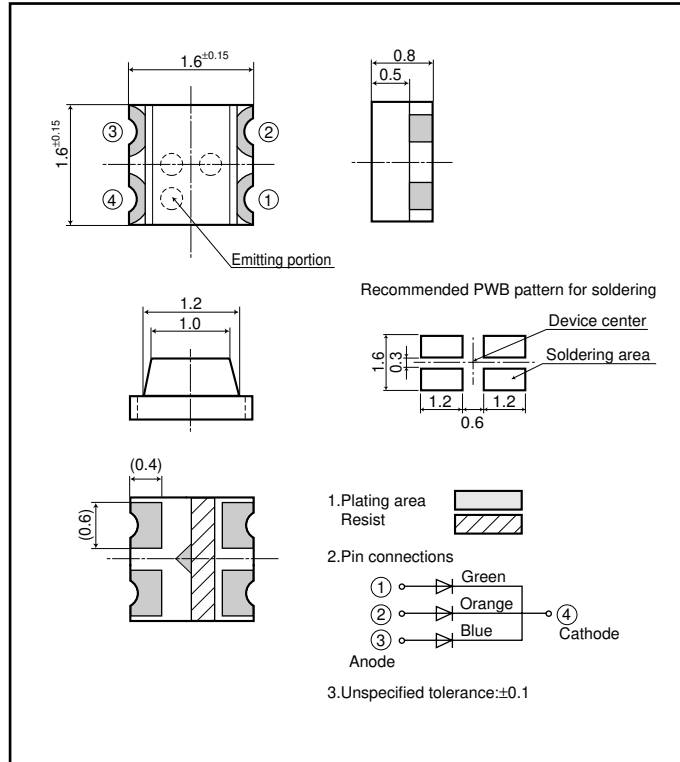
Built-in 3-chip Compact Size Chip LED

Features

- (1) Surface mount type leadless chip LED
- (2) Compact Size : 1.6 x 1.6 x 0.8 t mm
- (3) Built-in Blue, Green, Orange LED chip
- (4) Blue and Green : front and back electrode type
- (5) Taped product (4 000 pcs/reel)

Outline Dimensions

(Unit:mm)



Applications

- (1) Amusement equipment
- (2) LCD backlight
- (3) Indicator

Absolute Maximum Ratings

(T_a=25°C)

Model No.	Radiation color	Radiation material	Power dissipation P (mW)	Forward current I _F ^{*1} (mA)	Peak forward current I _{FM} ^{*2} (mA)	Derating factor (mA/°C)		Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{sig} (°C)	Soldering temperature T _{sol} ^{*3} (°C)
						DC	Pulse				
GM1WA80350A	Blue	InGaN	78	20	40	0.27	0.53	5.0	-20 to +80	-40 to +100	290
	Green	InGaN	78	20	40	0.27	0.53	5.0	-20 to +80	-40 to +100	290
	Orange	AlGaInP	78	20	50	0.40	0.67	5.0	-20 to +80	-40 to +100	290

*1 In case 2 or 3 chips are lightened, Blue : 10mA, Green: 10mA, Orange: 15mA

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

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

Electro-optical Characteristics

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

Lens type	Model No.	Radiation color	Forward voltage V _F (V) TYP	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	
								I _R (μA) MAX	V _R (V)
Colorless transparency	GM1WA80350A	Blue	3.2	470	472	30	26	100	4
		Green	3.2	528	530	92	36	100	4
		Orange	2.1	627	618	100	15	100	4

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(Internet)

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

As of August 2001

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 - Consumer electronics
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 - Alarm equipment
 - Various safety devices, etc.
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