

GM4VG31320AC

Chip LED

Side Emitting White Chip LED with Blue-violet Chip

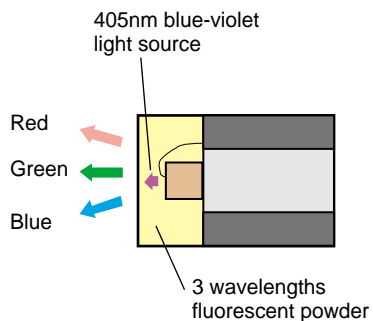
■ Features

- (1) Using blue-violet chip (405 nm) and fluorescent powder to be real white (with 3 wavelengths peak)
- (2) Color rendering better than pseudo white LED by blue-violet source because of 3 wavelength elements
- (3) Thin type side emitting chip LED
- (4) Outline dimensions: 2.4 × 1.2 × 0.8t mm
- (5) Taped product (4 000 pcs/reel)

■ Applications

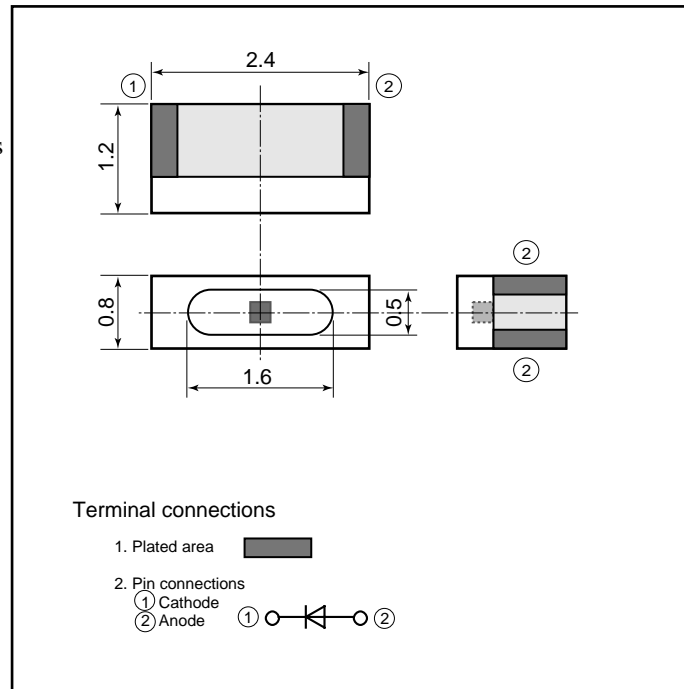
- (1) Cellular phones
- (2) PDAs
- (3) Back light for LCD

■ Structure



■ Outline Dimensions

(Unit:mm)



■ Characteristics

(Ta=25°C)

Parameter	Symbol	Ratings	Condition	Unit
Color	-	White	-	-
Wavelength TYP.	-	405	-	nm
Color range (X,Y) TYP.	-	(0.31 , 0.32)	IF=20 mA	-
Luminous intensity TYP.	Iv	(300)	IF=20 mA	mcd
Forward voltage TYP.	VF	3.7	IF=20 mA	V
Operating temperature TYP.	Topr	-20 to +80	-	°C

(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/>)

As of May 2002