

GM5VA33330AC Series

Chip LED

White Chip LED with Blue-violet Chip

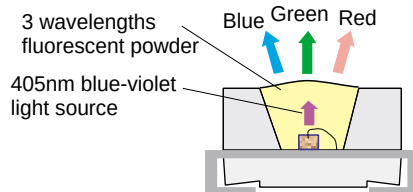
Features

- (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) Using a package with high heat dissipation properties, it can be driven with a large current ($I_F=40$ mA)
- (4) Surface-mount, leadless chip LED device
- (5) Outline dimensions: $6.0 \times 5.0 \times 2.5$ mm
- (6) Taped product (800 pcs/reel)

Applications

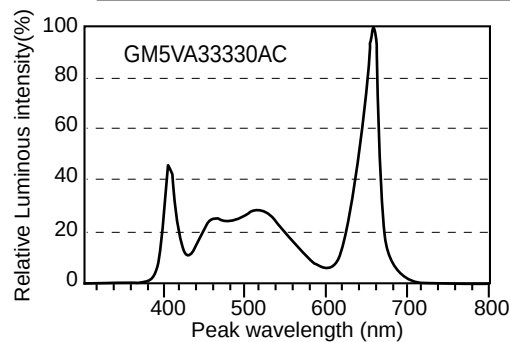
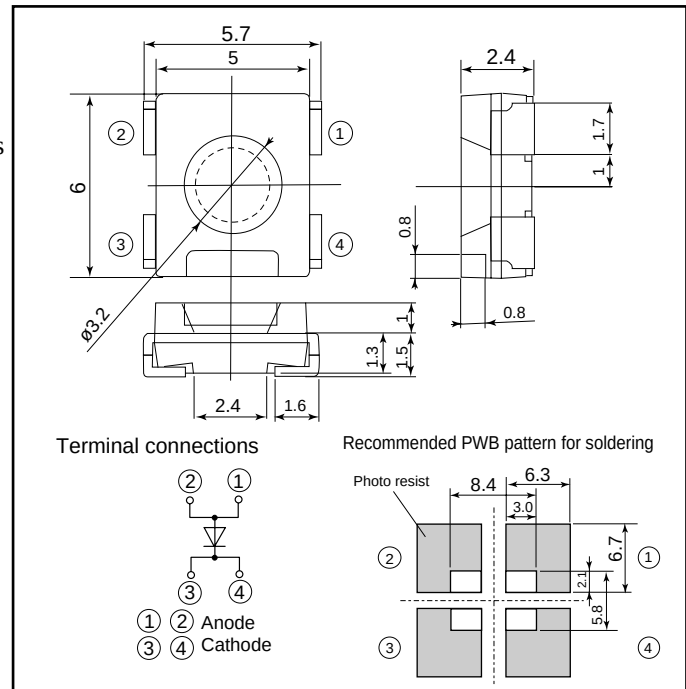
- (1) Amusement equipment
- (2) Lighting equipment
- (3) Information boards

Structure & Spectrum



Outline Dimensions

(Unit:mm)



Characteristics

(Ta=25°C)

Parameter	Symbol	GM5VA33330AC	GM5VA34400AC	GM5VA29270AC	GM5VA30500AC	Condition	Unit
Color	-	White	Yellowish white	Purplish white	Greenish white	-	-
Wavelength TYP.	-	405				-	nm
Color range (X,Y) TYP.	-	(0.33 , 0.33)	(0.34 , 0.40)	(0.29 , 0.27)	(0.30 , 0.50)	$I_F=40$ mA	-
Luminous intensity TYP.	I_v	450	700	350	900	$I_F=40$ mA	mcd
Forward voltage TYP.	V_F	4.0				$I_F=40$ mA	V
Operating temperature TYP.	T_{opr}	-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