

Precautions for use of Compact Chip LED products

- (1) When adopting the product for mass production, please exchange formal specifications with us.
- (2) Do not reverse-engineer the product including disassemble or analyze without our approval.
- (3) The product is not in conformity to IATF16949 or intended to be used for in-vehicle application. The product is not designed or manufactured to be used for special application (e.g. trains, ships, airplanes, spaceships, submarine repeaters, atomic energy control systems, traffic equipment, combustion equipment, medical devices, and safety devices). We will not guarantee any application suitability for goods like those described above that require special quality and reliability. In cases where the product is used in special applications and it causes extensive property damage, threatens human life or damages the human body, we will not be held liable.
- (4) The specification and appearance of the product may change without notice for improvement, etc.
- (5) This technical information and data is provided for users as is, and we do not guarantee that it is free from errors or defect in technical information and data, or this technical information and data conform to special applications, or this technical information and data does not infringe any rights of the user or third parties other than the user, or any other contents (including changes in contents for improvement of the specification and appearance of the product) thereof.

CL-V502S Series

1.6(L)×
1.4(W)×0.55(H)mm



特征 Features

1.同一封装内3色发光

3 Colors emitting from a single package

2.正面投光, 小型、薄型、超高演色

Upward-lighting, ultra-compact/thin type/High color mixing

● 绝对最大额定值 Absolute Maximum Rating

(Ta 25°C)

系列 Series	Color variation	P*1 (mW)	Pd (mW)	IF (mA)	IFP	VR (V)	Top (°C)	Tst (°C)
CL-V502S-F4	红色 Red	173	52	20	-	10	-25~+85	-30~+85
	绿色 Green		74	20	100	5		
	蓝色 Blue		72	20	100	5		

* 1 P表示同时亮灯时全部的允许损耗

* 1 P means total value of power dissipation when both colors are on.

● 电气·光学特性 Electrical and Optical Characteristics

(Ta 25°C)

参数 Parameter	Color variation	Symbol	Conditions	MIN	TYP	MAX	Unit
正向电压 Forward Voltage	红色 Red	VF	IF=20mA	-	2.20	-	V
	绿色 Green			-	3.29	-	
	蓝色 Blue			-	3.16	-	
反向电流 Reverse Current	红色 Red	IR	VR=4V	-	-	1	μA
	绿色 Green			-	-	2	
	蓝色 Blue			-	-	2	
光强 Luminous Intensity	红色 Red	IV	IF=20mA	-	1090	-	mcd
	绿色 Green			-	2270	-	
	蓝色 Blue			-	615	-	
主波长 Dominant Wavelength	红色 Red	λd	IF=20mA	-	621	-	nm
	绿色 Green			-	532	-	
	蓝色 Blue			-	472	-	

● 外形尺寸图 Outline drawing

