



DONGGUAN PENGYUAN OPTOELECTRONICS TECHNOLOGY CO., LTD.

东莞市鹏远光电科技有限公司

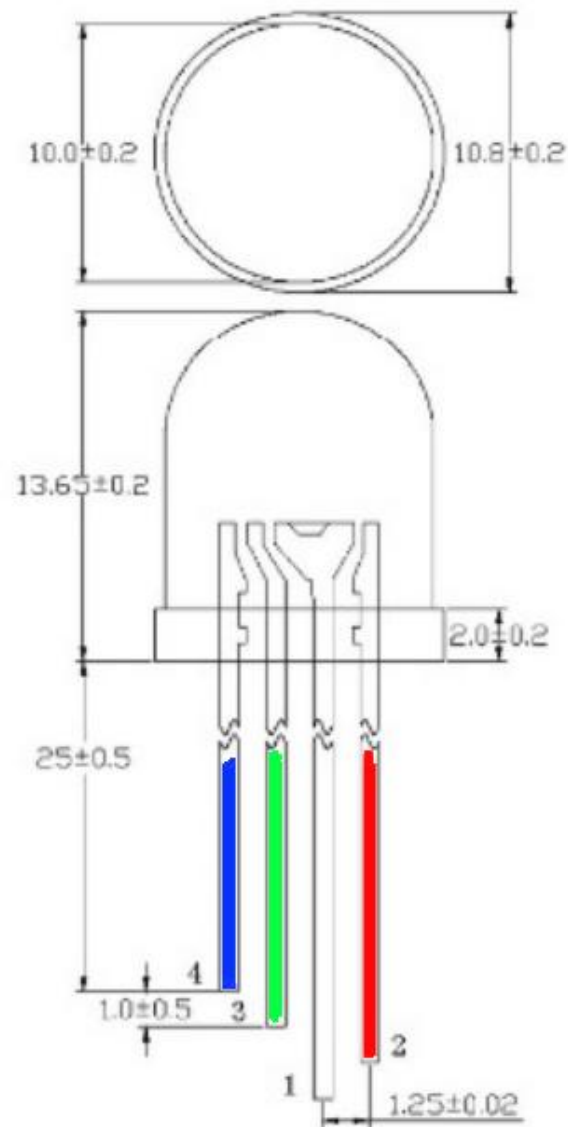
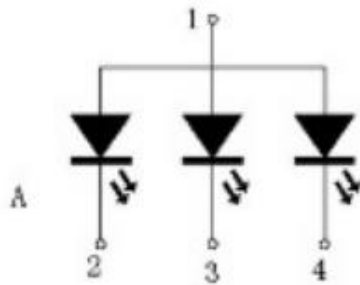
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## 承认书

### Specification For Approval

产品型号 Product Model: RGB LED CA-10

尺寸 Dimensions: 单位 Unit: 毫米 mm [英寸] [inch]



Note:  
Unit:mm  
1: Anode  
2: RED  
3: Green  
4: Blue



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产品型号 Product Model: RGB LED CA-10

Light color: Red、Green、Blue Color

Diffused lens

**Absolute maximum rating (Ta=25°C)**

- Reverse current: 100  $\mu$ A
- Peak current (duty=0.1,1KHz) : 100 mA
- Operating/Storage temperature range: -30°C~+85°C
- Derating linear from 25°C: 0.4 mA/°C
- Lead soldering temperature range: 260°C for 5 second

**Electro-optical characteristics (TA=25°C)**

**RED COLOR:**

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	VF	❖	1.9	2.1	V	IF=20 mA
Luminous intensity	IV		1200	❖	mcd	IF=20 mA
Peak emission wavelength	$\lambda_p$		620	625	nm	❖
Half intensity angle	$\Delta \ominus$	❖	25	❖	deg	❖

**GREEN COLOR:**

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	VF	❖	3.0	3.5	V	IF=20 mA
Luminous intensity	IV		4500	❖	mcd	IF=20 mA
Peak emission wavelength	$\lambda_p$		520	525	nm	❖
Half intensity angle	$\Delta \ominus$	❖	25	❖	deg	❖

**BLUE COLOR:**

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	VF	❖	3.0	3.5	V	IF=20 mA
Luminous intensity	IV		3500	❖	mcd	IF=20 mA
Peak emission wavelength	$\lambda_p$		465	470	nm	❖
Half intensity angle	$\Delta \ominus$	❖	25	❖	deg	❖