

DEVICE TYPE : HT504RGBW-B (Common Anode)

THREE COLOR 5.0mm LAMP

**Light color : Red, Green, Blue RGB Color****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	❖	2.00	2.35	V	IF=20 mA
Luminous intensity	IV		80	❖	mcd	IF=20 mA
Peak emission wavelength	$\lambda_p$		640	645	nm	❖
Half intensity angle	$\Delta\theta$	❖	100	❖	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		150	❖	mcd	IF=20 mA
Peak emission wavelength	$\lambda_p$		505	510	nm	❖
Half intensity angle	$\Delta\theta$	❖	100	❖	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		120	❖	mcd	IF=20 mA
Peak emission wavelength	$\lambda_p$		465	470	nm	❖
Half intensity angle	$\Delta\theta$	❖	100	❖	deg	❖

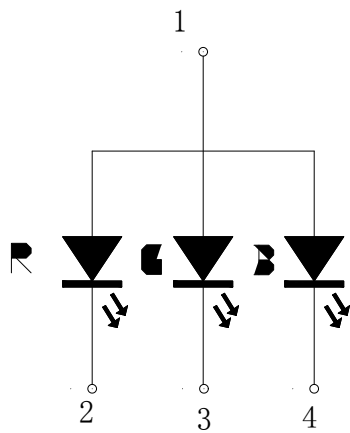
\*All specs and applications shown above subject to change without prior notice.

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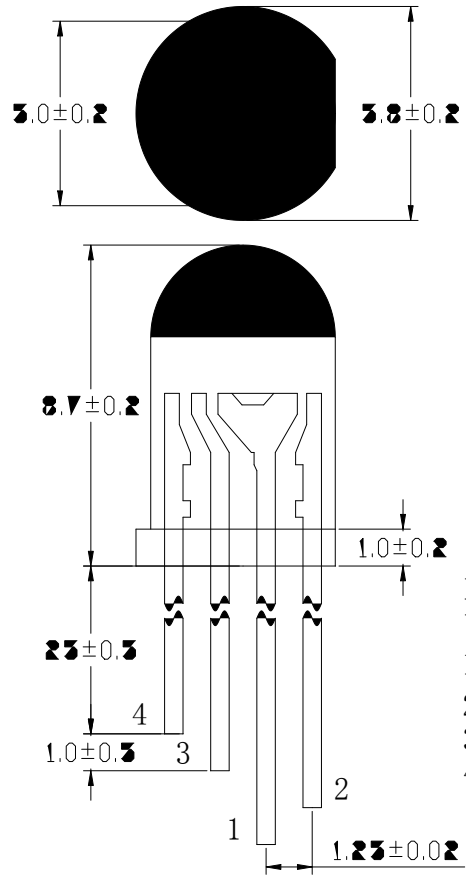
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**Application diagram or Dimensions**

Application Diagram



Dimensions



Note:  
Unit:mm  
1:Anode  
2:R  
3:G  
4:B

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