

**Light color : Red, Green, Blue Color**

**Absolute maximum rating (Ta=25°C)**

- Reverse current : 100 mA
- 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	V <sub>F</sub>	❖	2.00	2.25	V	IF=20 mA
Luminous intensity	I <sub>v</sub>		1300	❖	mcd	IF=20 mA
Peak emission wavelength	λ <sub>p</sub>		620	630	nm	❖
Half intensity angle	ΔΘ	❖	20	❖	deg	❖

**GREEN COLOR :**

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	V <sub>F</sub>	❖	3.20	3.50	V	IF=20 mA
Luminous intensity	I <sub>v</sub>		4500	❖	mcd	IF=20 mA
Peak emission wavelength	λ <sub>p</sub>		515	520	nm	❖
Half intensity angle	ΔΘ	❖	20	❖	deg	❖

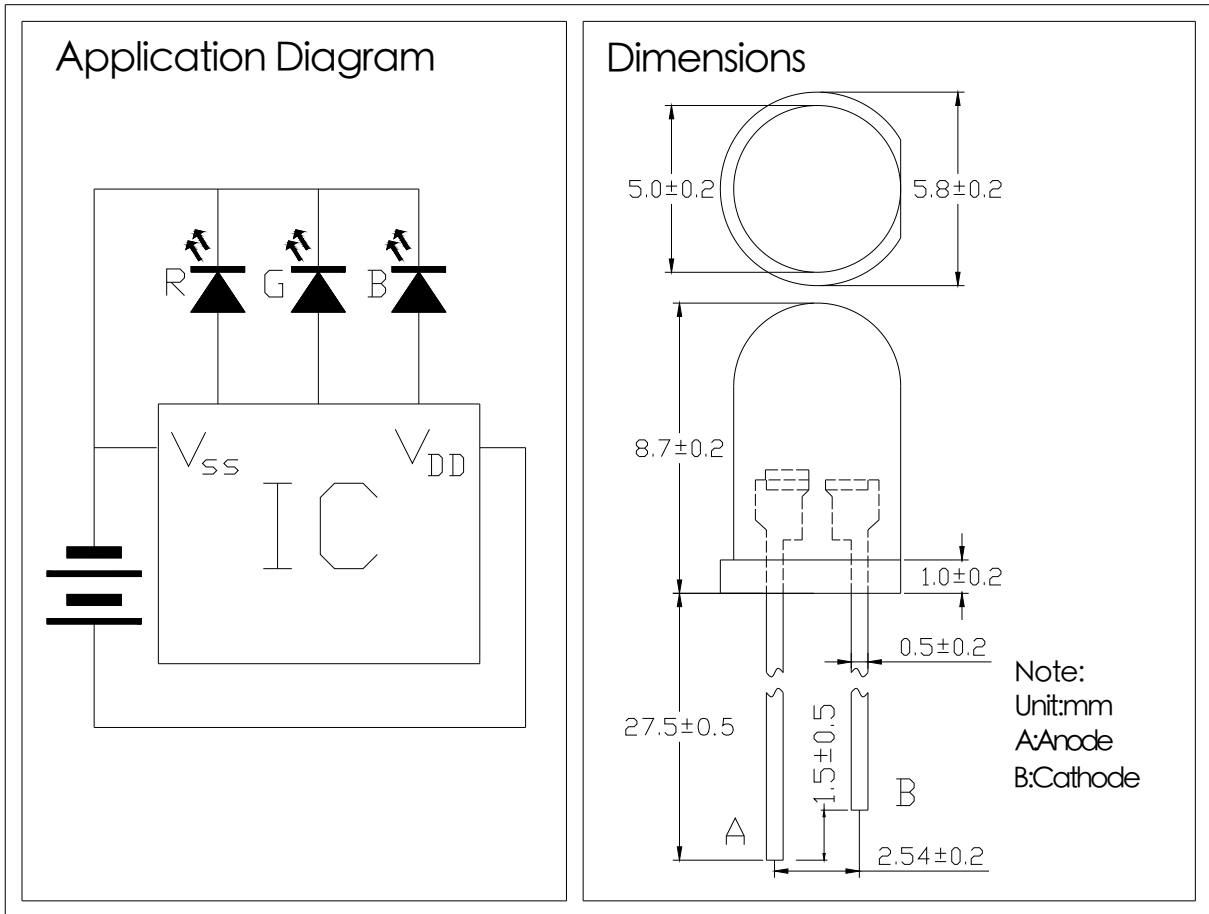
**BLUE COLOR :**

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	V <sub>F</sub>	❖	3.20	3.50	V	IF=20 mA
Luminous intensity	I <sub>v</sub>		1200	❖	mcd	IF=20 mA
Peak emission wavelength	λ <sub>p</sub>		467	470	nm	❖
Half intensity angle	ΔΘ	❖	20	❖	deg	❖

**Direct Current Characteristics**

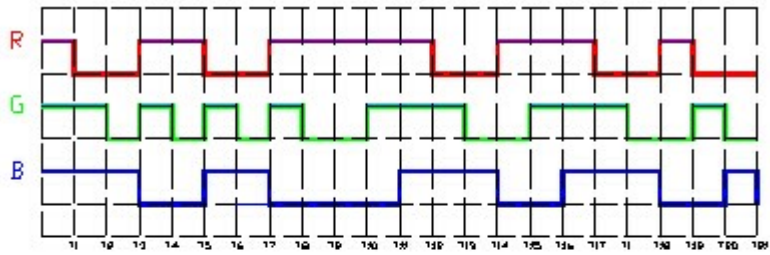
Parameter	Symbol	Min	Typ.	Max	Unit	Remarks
Operating voltage	V <sub>DD</sub>	3.5	4.5	4.8	V	❖
Driver Current	I <sub>ol</sub>		40		mA	@V <sub>DS</sub> =1.2V
Power Consumption	P <sub>o</sub>		180		mW	V <sub>DD</sub> =4.5V
Flash Frequency	F <sub>tet</sub>		1.7	❖	Hz	External±30%

## Application diagram and Dimensions



## Output Sketch Map

Flash map:



Sketch map of slow flash

