

# 005-5555

**Light color : Red 、 Green 、 Blue 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	$V_F$	❖	2.00	2.25	V	IF = 20 mA
Luminous intensity	$I_V$		1300	❖	mcd	IF = 20 mA
Peak emission wavelength	$\lambda_p$		620	630	nm	❖
Half intensity angle	$\Delta \Theta$	❖	20	❖	deg	❖

## GREEN COLOR :

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	$V_F$	❖	3.20	3.50	V	IF = 20 mA
Luminous intensity	$I_V$		4500	❖	mcd	IF = 20 mA
Peak emission wavelength	$\lambda_p$		515	520	nm	❖
Half intensity angle	$\Delta \Theta$	❖	20	❖	deg	❖

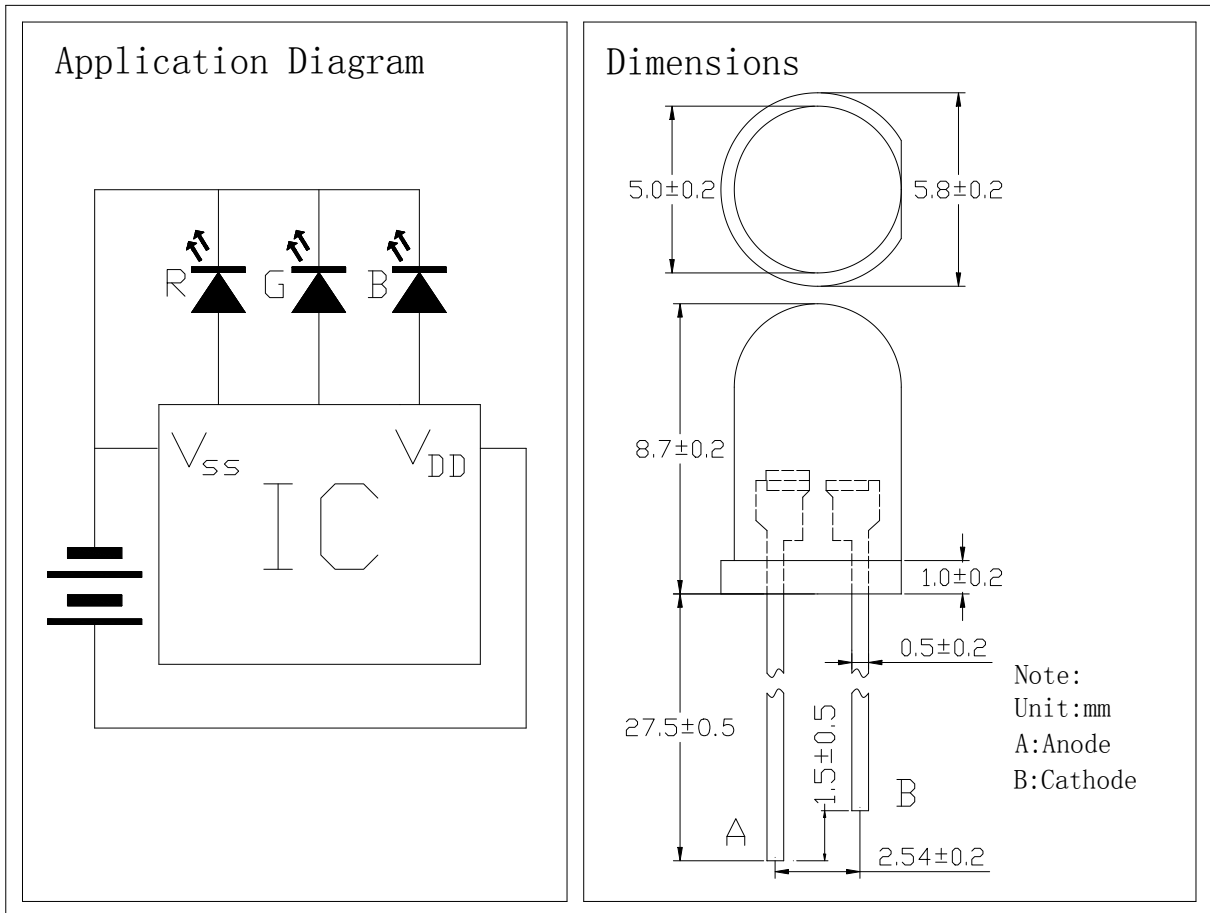
## BLUE COLOR :

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	$V_F$	❖	3.20	3.50	V	IF = 20 mA
Luminous intensity	$I_V$		1200	❖	mcd	IF = 20 mA
Peak emission wavelength	$\lambda_p$		467	470	nm	❖
Half intensity angle	$\Delta \Theta$	❖	20	❖	deg	❖

## Direct Current Characteristics

Parameter	Symbol	Min	Typ.	Max	Unit	Remarks
Operating voltage	VDD	3.5	4.5	4.8	V	❖
Driver Current	Iol		40		mA	@V <sub>DS</sub> =1.2V
Power Consumption	Po		180		mW	V <sub>DD</sub> =4.5V
Flash Frequency	Ftet		1.7	❖	Hz	External $\pm$ 30%

# Application diagram and Dimensions



## Flash Picture

