

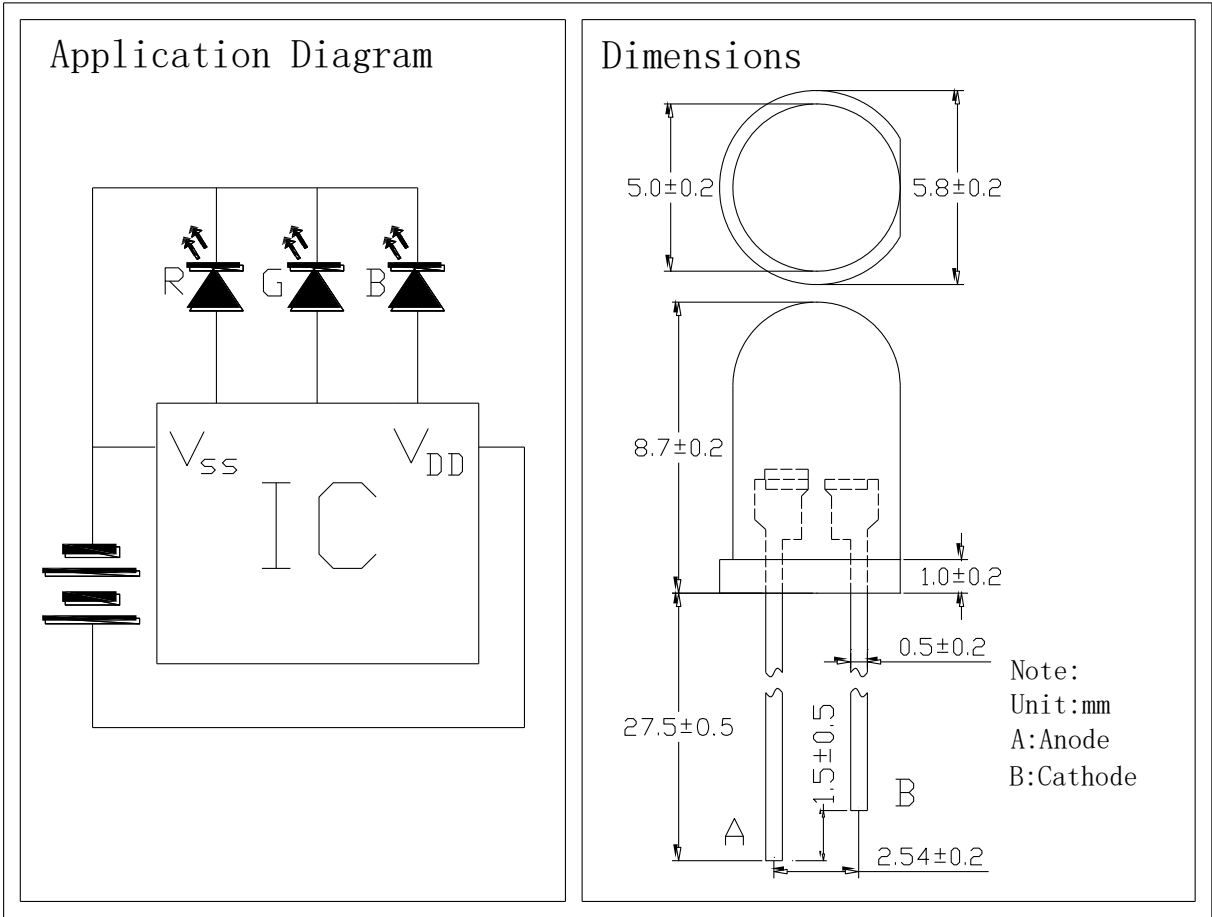


SPECIFICATION FOR APPROVAL

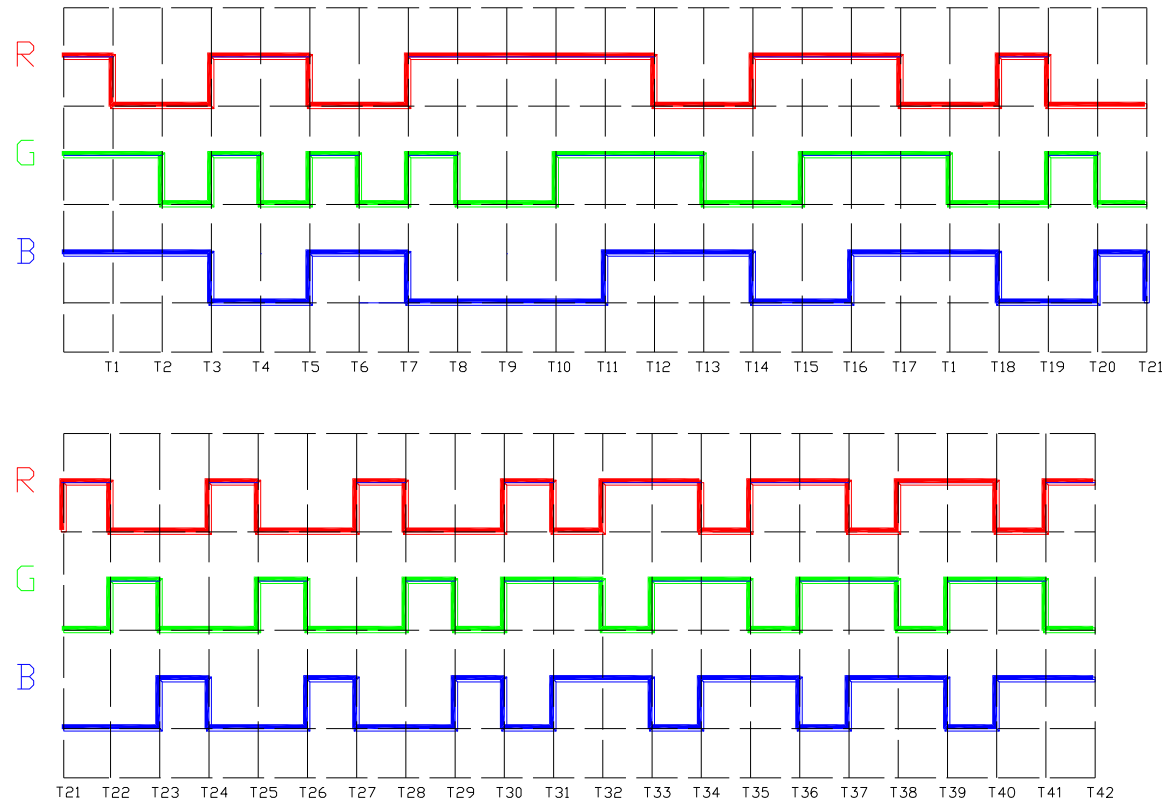
Part Name

(5MM Round RGB Fast Flashing)

Application diagram and Dimensions



Flash Picture



Light color: Red、Green、 Blue Color

Absolute maximum rating (Ta=25℃)

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

Electro-optical characteristics (TA=25℃)

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	λ_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	λ_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	λ_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 _{DS} =1.2V
Power Consumption	Po		180		mW	V _{DD} =4.5V
Flash Frequency	Ftet		1.7	❖	Hz	External ± 30%