

Light color : Red 、 Green 、 Blue Color

Absolute maximum rating (Ta=25°C)

- Reverse current : 100 μ 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		800	❖	mcd	IF=20 mA
Peak emission wavelength	λ_p		645	650	nm	❖
Half intensity angle	$\Delta\theta$	❖	140	❖	deg	❖

GREEN COLOR :

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	V_F	❖	3.5	4	V	IF=20 mA
Luminous intensity	I_V		1500	❖	mcd	IF=20 mA
Peak emission wavelength	λ_p		520	530	nm	❖
Half intensity angle	$\Delta\theta$	❖	120	❖	deg	❖

BLUE COLOR :

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	V_F	❖	3.5	4	V	IF=20 mA
Luminous intensity	I_V		1000	❖	mcd	IF=20 mA
Peak emission wavelength	λ_p		470	475	nm	❖
Half intensity angle	$\Delta\theta$	❖	120	❖	deg	❖

Direct Current Characteristics

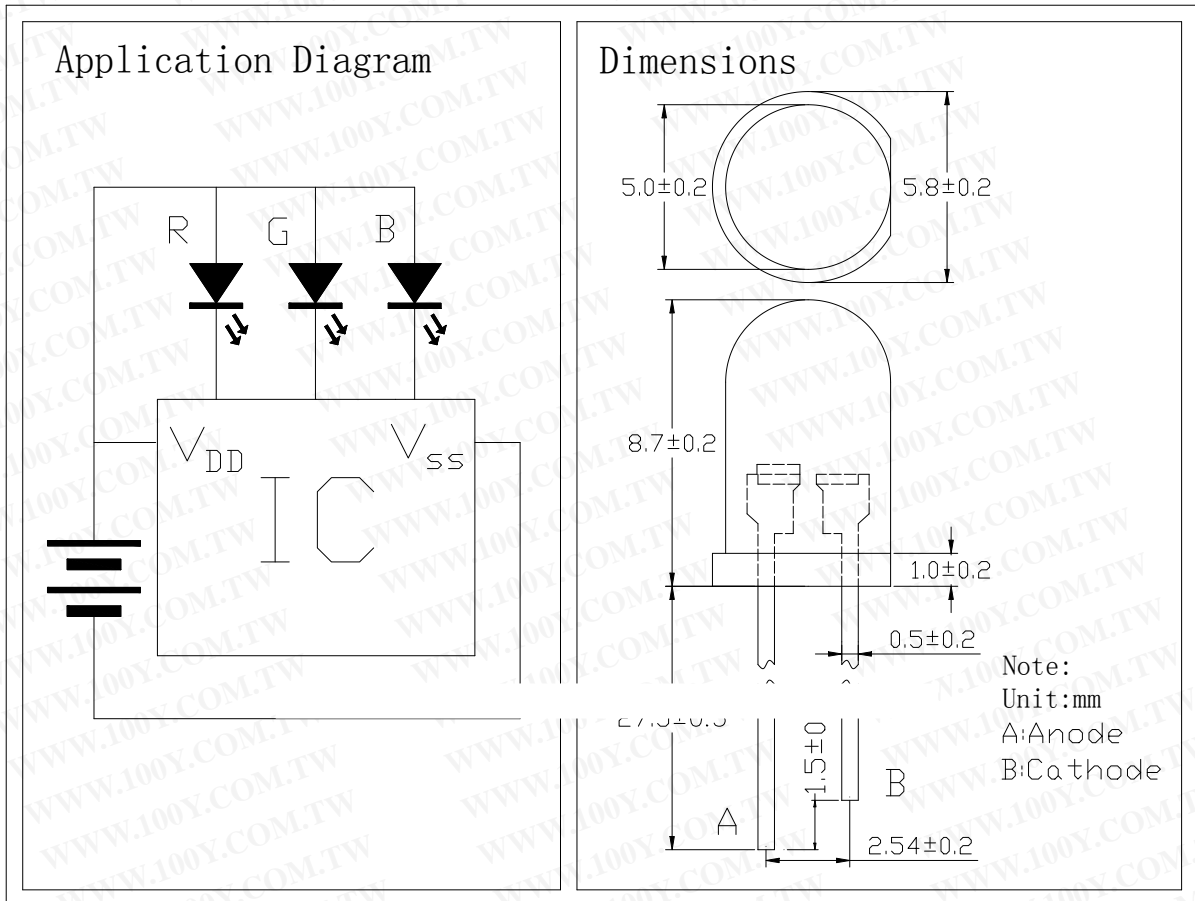
Parameter	Symbol	Min	Typ.	Max	Unit	Remarks
Operating voltage	VDD	2.0	4.5	5.5	V	❖
Driver Current	I _{ol}		50		mA	@V _{DS} =1.2V
Power Consumption	P _o		225		mW	V _{DD} =4.5V
Flash Frequency	F _{tet}		1.7	❖	Hz	External \pm 30%

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

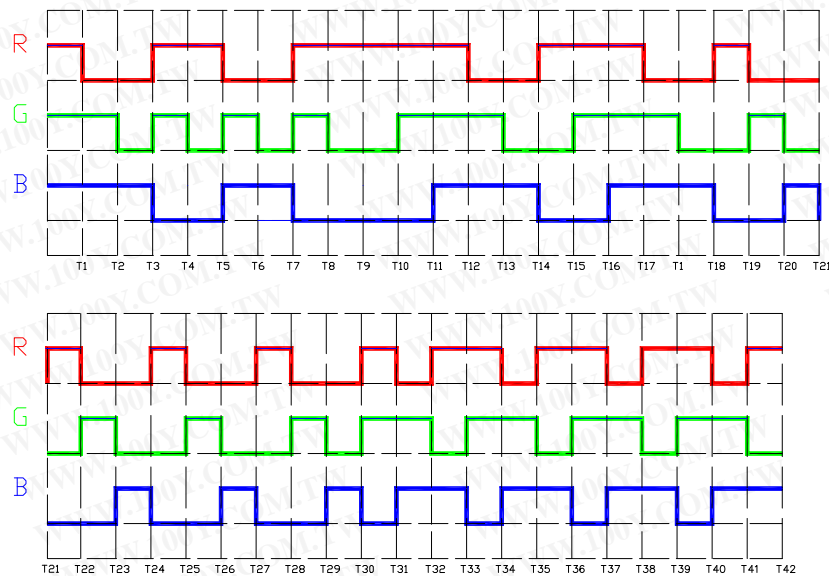
FLASH THREE COLOR 5.0mm LAMP

LS-F5QRGBC-YBL

Application diagram and Dimensions



Output Sketch Map



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Technical Data Sheet

Product Name: _____

Number: : _____

Customer PN: _____

Version No.: A.1 Date: _____

2011-11-24

Customer Approval

Customer Approval		

Instituted By: _____ Checked By: _____ Approved By: _____

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